

MRR-3581 8.0 * B L

Goal. Ensure the proper setup the MRR.

Requirement. Given a MRR, core capable crew, a suitable site and the references, complete the following steps:

1. Prepare site.
2. Unpack the MRR.
3. Assemble the MRR antenna.
4. Connect system cabling.
5. Verify proper power input.
6. Verify installation of Environmental Control Units.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2540, 2547

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/2-1 Radar Set AN/TPS-63 Installation
2. TM 07736C-14/2-2 Radar Set AN/TPS-63 Installation Pocket Handbook

MRR-3582 12.0 * B L

Goal. Deploy a MRR ISO operations.

Requirement. Given an operations order, references, a MRR, and a core capable crew perform the following:

1. Coordinate and supervise the preparation of embarking the radar system.
2. Coordinate the transportation of the radar system to a given site.
3. Coordinate and supervise the emplacement of the radar system.
4. Ensure the radar system is operational state in compliance with the mission.
5. Coordinate and supervise the retrograding of the radar system.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2540, 2541, 2546, 2547, 2549

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C Series

MRR-3583 8.0 * B,R L

Goal. Perform system troubleshooting on the MRR.

Requirement. Given the references, a de-energized MRR with a fault in the system, tools and TMDE, complete the following:

1. Perform operational checks and alignments of the radar system.
2. Identify symptoms of a fault within the radar system.
3. Troubleshoot fault to the lowest replaceable unit.
4. Perform corrective maintenance in order to bring the radar to an operational state.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2540, 2541, 2543, 2548, 2549, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C Series

MRR-3584 12.0 * B L

Goal. Plan for and coordinate efforts in deploying a MRR system.

Requirement. Complete the following events:

1. Establish an accurate equipment density list.
2. Establish an accurate packing list.
3. Establish an accurate T/O for the radar section.
4. Coordinate proper heavy lifting support.
5. Establish an accurate bill of materials list.

6. Coordinate COMSEC support.
7. Identify communication requirement.
8. Submit requirement for frequency request.
9. Establish an accurate float list required for deployment.
10. Identify a key contacts list for intra squadron section.
11. Identify and request fuel requirements.
12. Identify and request power requirements.
13. Coordinate with MMO for proper procurement procedures during deployment.
14. Identify and request environmental condition unit requirements.
15. Identify and request appropriate transportation requirements.
16. Identify chow and billeting requirements.
17. Obtain letter of instruction for deployment.
18. Inspect gear required on the gear list for individual Marines for deployment.
19. Familiarize the Marines with emergency action plan for deployment.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2540, 2550

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Group/Squadron/Shop Standard Operating Procedures

5.11.8 MAINTENANCE MANAGEMENT (MMGT) STAGE

5.11.8.1 Purpose. To train the trainee on the advanced skills necessary to perform as a member of a maintenance shop.

5.11.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-3660 2.0 * B L

Goal. Ensure the corrective maintenance repair process is being conducted.

Requirement. With the aid of references, ensure the timely performance of all corrective maintenance actions per the references by performing

the following:

1. Verify the induction process is followed.
2. Ensure correctness of the service request and NAVMC 1018.
3. Determine availability of resources.
4. Ensure proper troubleshooting of faulty item.
5. Ensure repair parts are ordered.
6. Ensure faulty item is repaired.
7. Ensure safety measures are adhered to during repair process.
8. Ensure quality control procedures are followed.
9. Verify Modification Instruction (MI) and Technical Instruction (TI).
10. Verify proper closeout of service request.
11. Ensure equipment record is updated.

Performance Standard. With the aid of references, conduct each step of the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C
2. TM-4700-15/1_
3. UM-4790.5
4. MCO P4400.16G
5. MCBUL 3000
6. Associated Equipment TM

MMGT-3661 2.0 1095 B,R,M L

Goal. Validate SECREP assets.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review and provide recommendations for organizational Critical Low Density SECREP (CLD) assets and required on-hand quantities:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2C w/ch.1-2
2. MCO P4400.150E W/ERRATUM CH 1-2
3. FEDLOG

MMGT-3662 2.0 * B L

Goal. Assess maintenance funding requirements.

Requirement. With the aid of references and given equipment maintenance history, projected TEEP, and anticipated maintenance shortfalls, propose funding allocations for maintenance activities.

1. Identify and prioritize funding requirements.
2. Provide a maintenance funding request based on requirements and prior year utilization.
3. Provide an anticipated maintenance funding request based on the unit's TEEP.

Performance Standard. With the aid of reference, submit a budget request with justification to the Instructor for final approval without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150_
2. MCO P7100.8_

5.11.9 OPERATIONAL MANAGEMENT (OMGT) STAGE

5.11.9.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

5.11.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-3710 1.0 1095 B,R,M L

Goal. Provide input to the operational plan.

Requirement. Given a simulation/operation and command guidance, provide input for the operation plan by performing the following:

1. Verify mission requirements.
2. Determine mission essential equipment.
3. Provide input for the Equipment Density List.
4. Assign maintenance personnel to meet mission requirements.
5. Verify communications plan supports mission execution.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operations Order
2. MCRP 5.11.1

OMGT-3711 2.0 * B L

Goal. Organize and assign crews for deployment.

Requirement. Given a scenario and references, perform the following:

1. Review an MSHARP report to determine individual Marine CMMR standing.
2. Assign maintenance personnel to crews dependent upon mission requirements. Factors include, but are not limited to:
 - Tactical licenses.
 - Active clearance.
 - Courier designations.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.5
2. Unit TO

OMGT-3714 8.0 * B L

Goal. Deploy a maintenance capability.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.
4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6_
2. Applicable TMs/UMs

OMGT-3715 8.0 * B L

Goal. Prepare system for embark.

Requirement. Given an Equipment Density List (EDL) that supports the mission, prepare system for embark/retrograde:

1. Conduct proper system power down/teardown.
2. Layout and conduct an SL-3 inventory of the equipment.
3. Conduct Limited Technical Inspections on listed equipment.
4. Pack and secure equipment.
5. Create a packing list.
6. Placard/label the shelters for embark.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6_ (Standard Embarkation Management System)
2. TM 12041A/15050A-OD/2 CAC2S System User Manual

5.11.10 MARINE AIR CONTROL GROUP (MACG) STAGE

5.11.10.1 Purpose. To teach the trainee common communication and data flow within the MACG.

5.11.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MACG-3750 1.0 1095 B,R,M L

Goal. Identify TACC Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1.MCRP 5-12D
- 2.MCWP 3-25.4
- 3.Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3751 1.0 1095 B,R,M L

Goal. Identify TAOC and EW/C communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3752 1.0 1095 B,R,M L

Goal. Identify DASC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3753 1.0 1095 B,R,M _____ L

Goal. Identify UAS Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3754 1.0 1095 B,R,M _____ L

Goal. Identify LAAD Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3755 1.0 1095 B,R,M _____ L

Goal. Identify MATC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3756 2.0 1095 B,R,M _____ L

Goal. Draw a Communications Diagram for the agencies within the MACG.

Requirement. Given the references and operational diagrams, draw a communications diagram depicting the information exchange requirements for the following agencies:

1. TACC.
2. TAOC.

3. DASC.
4. MATC.
5. UAS.
6. LAAD.

Performance Standard. Pass an exam. Draw a communications diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 3750, 3751, 3752, 3753, 3754, 3755

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1.MCWP 3-2
- 2.MCWP 3-25.4

5.12 CORE PLUS TRAINING (4000)

5.12.1 Purpose. To provide Core Skill Plus training. A certain number of Core Skill Plus qualified Marines must be maintained to accomplish special missions or tasks, to include supervision and training of a core competent crew. The Marine is exposed to advanced MACCS integration and employment of the TAOC or EW/C within a joint environment.

5.12.2 General.

5.12.2.1 Prerequisiste. 2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 6102, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

5.12.2.2 Admin Notes. The following information is provided to guide the Marine in the training of this Phase:

(1) Training in this phase does not preclude simultaneous training in the Mission Skill and Core Skill Advanced phases.

(2) Individual Core Skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crewmember assistance must be restricted to those actions required to support or facilitate individual training so as

not to detract from the individual properly demonstrating the event performance standard.

5.12.2.3 Stages. The following stages are included in the Core Plus Skill Introduction Phase of training.

| PAR NO. | STAGE NAME |
|---------|--------------------------|
| 5.12.3 | LONG RANGE RADAR (LRR) |
| 5.12.4 | MEDIUM RANGE RADAR (MRR) |

5.12.3 LONG RANGE RADAR (LRR) STAGE

5.12.3.1 Purpose. To train the trainee on the skills necessary to operate, maintain, and intergrate the AN/TPS-59 Radar system with a Radar Environment Simulator (RES) within the MACS.

5.12.3.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirements. Core capable TPS-59 crew.

LRR-4520 8.0 * B L

Goal. Install and operate the Radar Environment Simulator (RES).

Requirement. Given the reference, a RES, and an AN/TPS-59 radar and all required tools and TMDE, perform the following:

1. Install the RES.
2. Run a RES scenario.

Performance Standard. With the aid of reference, correctly install the RES and display the scenario on the AN/TPS-59 display, IAW the reference without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-07751B-14/1
2. RES Manual

5.12.4 MEDIUM RANGE RADAR (MRR) STAGE

5.12.3.1 Purpose. To train the trainee on the skills necessary to operate, maintain, and intergrate the AN/TPS-63B Radar system with a C2 node (remote radar) within the MACS.

5.12.3.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirements. Core capable TPS-63 crew.

MRR-4590 8.0 * B L

Goal. Establish a remote radar link between a C2 node and a MRR system.

Requirement. Given an radar system, all required communication equipment, and a C2 node complete the following:

1. Install remote radar communications equipment.
2. Configure communications equipment for remote radar data.
3. Operate remote radar communications equipment.
4. Verify that the link with the C2 node is passing data.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 6102, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM

5.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

5.13.1 Purpose. To provide technicians the additional skills necessary to instruct, evaluate and approve event completions. Upon completion of the

required training, an individual may be approved for instructor designation by the commanding officer.

5.13.2 General.

5.13.2.1 Prerequisiste. None

5.13.2.2 Admin Notes.

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to the concepts of managing a WTTP, properly conducting training, performing evaluations, and recommending training plans.

b. There are different instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

(3) The MAWTS-1 C3 Course catalog contains the training requirements for the above listed instructors. The catalog is located at the MAWTS-1 website, <https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>.

(4) The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

| INSTRUCTOR | Event Training, Evaluation and Approval |
|------------|--|
| BI | Core Skill events in which current and proficient. |
| SI | Core Skill, Mission Skill, and Core Plus events in which current and proficient. |

5.13.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

| PAR NO. | STAGE NAME |
|---------|---------------------------------|
| 5.13.3 | INSTRUCTOR UNDER TRAINING (IUT) |

5.13.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

5.13.3.1 Purpose. To train Aviation Communication System Technicians in the fundamentals of instructing and training processes.

5.13.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

| T&R CODE | EVENT DESCRIPTION | INSTRUCTOR |
|----------|--|------------|
| 5000 | Introduce principles of instruction | BI |
| 5010 | Understand the structure of an event | BI |
| 5020 | Conduct a period of instruction on a core skill event | BI |
| 5100 | Understand the Aviation Training and Readiness (T&R) Program | SI |
| 5110 | Understand the applicable community T&R program | SI |
| 5120 | Understand T&R administration | SI |
| 5130 | Develop a training plan | SI |
| | | |

5.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000)

5.14.1 Purpose. This phase provides community standardization for technician qualifications and designations; combat leaders and instructor designations; and tracking of collateral duties (CD) assignments,. This syllabus does not contain "one time" certification training requirements.

5.14.2 General.

5.14.2.1 Prerequisiste. None

5.14.2.2 Admin Notes.

(1) This section enables units to document and track combat leaders, instructors, technician and CD assignments. All syllabus training and administration requirements must be complete prior to being qualified or designated. A qualification or designation is not effective until all administration is completed.

(2) Only once an individual is qualified or designated in writing, the signed letter is filed in the IPR, and all administrative actions are completed, and the event code has been logged in M-SHARP shall the qualification or designation be effective.

5.14.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

| PAR NO. | STAGE NAME |
|---------|-----------------------|
| 5.14.3 | QUALIFICATION (QUAL) |
| 5.14.4 | CERTIFICATIONS (CERT) |
| 5.14.5 | DESIGNATION (DESG) |
| 5.14.6 | SCHOOL CODES (SCHL) |

5.14.3 QUALIFICATIONS (QUAL) STAGE

5.14.3.1 Purpose. To provide for basic and advanced technician qualifications.

5.14.3.2 General

Prerequisite. Refer to the Core Skill and Mission Skill phases for qualification events.

Admin Notes. Policies and rules for attaining and maintaining qualifications are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

QUAL-6102 0.5 * B L

Goal. Qualification as an Aviation Radar Basic Technician (ARBT).

Requirement. Complete required Aviation Radar Basic Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2195, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

QUAL-6103 0.5 * B L

Goal. Qualification as an Aviation Radar Advanced Technician (ARAT).

Requirement. Complete required Aviation Radar Advanced Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485,

2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497,
2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511,
2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 6102,
8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022,
8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

5.14.4 CERTIFICATIONS (CERT) STAGE

5.14.5.1 Purpose. To provide for certifications of Information Assurance Work Force personnel. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a certification are current prior to approving that certification. If prerequisite R-coded events are delinquent, the individual shall update those events.

5.14.5.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining certification are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. NONE.

CERT-6200 5.0 * B _____ L

Goal. Certification as a COMPTIA A+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA 220-801 and COMPTIA 220-802. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258,
3280, 3281

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

CERT-6201 5.0 * B L

Goal. Certification as a COMPTIA Network+ Technician.

Requirement. Complete the required industry certification exam, COMPTIA N10-005. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263, 3282

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

CERT-6202 5.0 * B L

Goal. Certification as a COMPTIA Security+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA SY0-301. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269, 3283

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

5.14.5 DESIGNATIONS (DESG) STAGE

5.14.5.1 Purpose. To provide for designation of combat leaders and instructors. Designations are command specific and expire when an individual transfers out of a command. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a designation are current prior to approving that designation. If

prerequisite R-coded events are delinquent, the individual shall update those events.

5.14.5.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining designations are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

DESG-6303 0.5 * B L

Goal. Designation as an Aviation Radar Chief (ARC).

Requirement. Complete required Aviation Radar Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3660, 3661, 3710, 3711, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6304 0.5 * B L

Goal. Designation as an Aviation Radar Chief 63 (ARC63).

Requirement. Complete required Aviation Radar Chief 63 training POI. Be recommended for qualification by a WTI and approved in writing by

the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2354, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3580, 3581, 3582, 3583, 3584, 3660, 3661, 3710, 3711, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6305 0.5 * B L

Goal. Designation as an Aviation Radar Maintenance Chief (ARMC).

Requirement. Complete required Aviation Radar Maintenance Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3660, 3661, 3662, 3710, 3711, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756,

6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021,
8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6320 0.5 * B _____ L

Goal. Designation as a Basic Instructor (BI).

Requirement. Be recommended for designation by a SI or WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174,
2175, 2176, 2190, 2191, 2195, 2230, 2350, 2351, 2363, 2364, 2365, 2366,
2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497,
2500, 2508, 2509, 2510, 2511, 2512, 3715, 5000, 5010, 5020, 6102, 8000,
8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14_

DESG-6321 1.0 * B _____ L

Goal. Designation as a Senior Instructor (SI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174,
2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214,
2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235,
2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362,
2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485,
2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497,

2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511,
2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 5000,
5010, 5020, 5100, 5110, 5120, 5130, 6103, 8000, 8001, 8002, 8003, 8004,
8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027,
8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14_

DESG-6340 1.0 * B L

Goal. Designation as a Maintenance Safety NCO.

Requirement. Perform all duties associated with the Maintenance Safety NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6341 1.0 * B L

Goal. Designation as a Maintenance HAZMAT NCO.

Requirement. Perform all duties associated with the Hazmat NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6342 1.0 * B L

Goal. Designation as a Maintenance Publications NCO.

Requirement. Perform all duties associated with the Publications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6343 1.0 * B L

Goal. Designation as a Maintenance Tools NCO.

Requirement. Perform all duties associated with the Tools NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2233

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6344 1.0 * B L

Goal. Designation as a Maintenance Calibrations NCO.

Requirement. Perform all duties associated with the Calibrations NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2231

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6345 1.0 * B L

Goal. Designation as a Maintenance Modifications NCO.

Requirement. Perform all duties associated with the Modifications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2232, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6346 1.0 * B L

Goal. Designation as a Maintenance Embarkation NCO.

Requirement. Perform all duties associated with the Embarkation NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2237

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6347 1.0 * B L

Goal. Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (MIMMS) NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2159, 2230, 2602

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6348 1.0 * B L

Goal. Designation as a Maintenance Training NCO.

Requirement. Perform all duties associated with the Training NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6350 1.0 * B _____ L

Goal. Designation as a Maintenance Quality Control (QC) NCO.

Requirement. Perform all duties associated with the Quality Control NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

5.14.6 SCHOOL CODES (SCHL) STAGE

5.14.6.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5948 in the skill progression of the Marine.

5.14.6.2 General

Prerequisite. NONE.

Admin Notes. Policies and prerequisites for attending the listed schools are maintained within MCTIMS.

Crew Requirements. NONE.

| T&R CODE | COURSE NAME | LOCATION | CID/CIN |
|-----------|--------------------------------|------------------------------|---------|
| SCHL-6020 | Link 16 Basics Course (JT-100) | Joint Knowledge Online (JKO) | |

| | | | |
|-----------|---|------------------------------|---------|
| SCHL-6021 | Intro to Multi TDL Network (JT-101) | Fort Bragg, NC | N/A |
| SCHL-6022 | Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102) | Fort Bragg, NC | A36L6Z1 |
| SCHL-6023 | Link 16 Joint Interoperability Course (US-109) | Joint Knowledge Online (JKO) | N/A |
| SCHL-6024 | Multi TDL Planner Course (JT-201) | Fort Bragg, NC | A05KHY1 |
| SCHL-6025 | Link 16 Unit Manager (LUM) Course (JT-220) | Fort Bragg, NC | N/A |
| SCHL 6079 | JRE-GW Operators' Course | Titan L3 | N/A |

5.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

5.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

5.15.2 General

5.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

5.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

5.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

| PAR NO. | STAGE NAME |
|---------|------------------|
| 5.15.3 | CONDITION (COND) |

5.15.3 CONDITION (COND) STAGE

5.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

5.15.3.2 General

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Intent (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
5. Equipment Density List (EDL)

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the

position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B,R,M C2 System L/S

Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
5. Identify equipment requirements
5. Conduct an RSOP
6. Identify, create, and finalize administrative documents supporting the operation
7. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of personnel
10. Conduct TAOC operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.

Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.

1. U-TAOC-PCL-03862, TAOC Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B,R,M L/S

Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect TAOC communication
3. Coordinate with higher to provide TAOC requirements
5. Coordinate site security, camouflage, dispersion, and trafficability
5. Identify locations for emplacement of communications and support equipment
6. Coordinate priorities for equipment emplacement
7. Identify echelon considerations
8. Identify Advanced Party/RSOP Team
9. Occupy the site
10. Emplace the TAOC

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 TAOC Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

5.16 AVIATION CAREER PROGRESSION MODEL (8000).

5.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)
Aviation Ground Support
Joint Air Operations
ACE Battle Staff
MAGTF
Seabased Operations
Combatant Commander Organizations

5.16.2 General. The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced

instruction.

MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM program of instruction:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/Aviation%20Career%20Progression%20Model/Forms/AllItems.aspx>

Completed events shall be manually logged and tracked in M-SHARP.

ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

| STAGE | TRNG CODE | T&R DESCRIPTION | | ACAD TIME | TO BE COMPLETED DURING |
|------------------|-----------|---|--|-----------|------------------------|
| ACPM | 8000 | MACCS | | 1 | 2000 PHASE |
| ACPM | 8001 | MARINE AIR COMMAND AND CONTROL SYSTEM | | 4 | 2000 PHASE |
| ACPM | 8002 | TACTICAL AIR COMMAND CENTER (TACC) | | 4 | 2000 PHASE |
| ACPM | 8003 | DIRECT AIR SUPPORT CENTER (DASC) | | 4 | 2000 PHASE |
| ACPM | 8004 | TACTICAL AIR OPERATIONS CENTER (TAOC) | | 4 | 2000 PHASE |
| ACPM | 8005 | MARINE AIR TRAFFIC CONTROL (MATC) | | 4 | 2000 PHASE |
| ACPM | 8006 | LOW ALTITUDE AIR DEFENSE (LAAD) | | 4 | 2000 PHASE |
| ACPM | 8007 | Marine Unmanned Aerial Vehicle Squadron (VMU) | | 4 | 2000 PHASE |
| ACPM | 8008 | MARINE WING COMMUNICATION SQUADRON (MWCS) | | 4 | 2000 PHASE |
| ACPM | 8020 | ACE | | 1 | 2000 PHASE |
| ACPM | 8021 | AVIATION OPERATIONS | | 4 | 2000 PHASE |
| ACPM | 8022 | CONTROL OF AIRCRAFT AND MISSILES | | 4 | 2000 PHASE |
| ACPM | 8023 | OFFENSIVE AIR SUPPORT (OAS) | | 4 | 2000 PHASE |
| ACPM | 8024 | ASSAULT SUPPORT | | 4 | 2000 PHASE |
| ACPM | 8025 | AIR RECONNAISSANCE | | 4 | 2000 PHASE |
| ACPM | 8026 | ELECTRONIC WARFARE | | 4 | 2000 PHASE |
| ACPM | 8027 | ANTI-AIR WARFARE | | 4 | 2000 PHASE |
| ACPM | 8028 | AVIATION GROUND SUPPORT | | 4 | 2000 PHASE |
| ACPM | 8040 | THREAT | | 1 | 3000 PHASE |
| ACPM | 8041 | SURFACE TO AIR THREAT TO THE MAGTF | | 4 | 3000 PHASE |
| ACPM | 8042 | FIXED WING THREAT TO THE MAGTF | | 4 | 3000 PHASE |
| ACPM | 8043 | ROTARY WING THREAT TO THE MAGTF | | 4 | 3000 PHASE |
| ACPM | 8044 | MISSILE AND UAS THREAT TO THE MAGTF | | 4 | 3000 PHASE |
| ACPM | 8060 | MAGTF | | 1 | 4000 PHASE |
| ACPM | 8061 | GROUND COMBAT OPERATIONS | | 4 | 4000 PHASE |
| ACPM | 8062 | FIRE SUPPORT COORDINATION IN THE GCE | | 4 | 4000 PHASE |
| ACPM | 8063 | MAGTF COMMAND AND CONTROL | | 4 | 4000 PHASE |
| ACPM | 8064 | MAGTF COMMUNICATIONS | | 4 | 4000 PHASE |
| ACPM | 8065 | PHASING CONTROL ASHORE | | 4 | 4000 PHASE |
| ACPM | 8066 | INFORMATION MANAGEMENT | | 4 | 4000 PHASE |
| ACPM | 8067 | UAS SUPPORT OF THE MAGTRF | | 4 | 4000 PHASE |
| ACPM | 8080 | JOINT AIR OPERATIONS | | 1 | 4000 PHASE |
| ACPM | 8081 | COMMAND AND CONTROL OF JOINT AIR OPERATIONS | | 4 | 4000 PHASE |
| ACPM | 8082 | THEATER AIR CROUND SYSTEM (TAGS) | | 4 | 4000 PHASE |
| ACPM | 8083 | JOINT FIRE SUPPORT | | 4 | 4000 PHASE |
| ACPM | 8084 | CLOSE AIR SUPPORT | | 4 | 4000 PHASE |
| ACPM | 8085 | JOINT TARGETING | | 4 | 4000 PHASE |
| ACPM | 8086 | NORTH ATLANTIC TREATY ORGANIZATION (NATO) | | 4 | 4000 PHASE |
| ACPM | 8087 | JOINT AIRSPACE CONTROL | | 4 | 4000 PHASE |
| ACPM | 8088 | COUNTERING AIR AND MISSILE THREATS | | 4 | 4000 PHASE |
| TOTAL ACPM STAGE | | | | 40 | 145 |

5.17 T&R ATTAIN AND MAINTAIN TABLES

| TAOC MAINTENANCE MOS 5948 | | | | | | | | | | | |
|--|--------|------|-------|-----------|------|---------------|------|----------------------|------|------------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| CORE SKILL (2000 Phase) | | | | | | | | | | | |
| Conduct an SL-3 inventory. | CMN | 2150 | * | CMN | 2150 | | | | | - | - |
| Identify the purpose of Preventive Maintenance Checks and Services (PMCS). | CMN | 2151 | * | CMN | 2151 | | | | | - | - |
| Submit a Product Quality Deficiency Report (PQDR). | CMN | 2152 | * | CMN | 2152 | | | | | - | - |
| Demonstrate an earth ground installation. | CMN | 2153 | * | CMN | 2153 | | | | | 2173 | |
| Describe the characteristics of unit T/E generators. | CMN | 2154 | * | CMN | 2154 | CMN | 2154 | | | - | - |
| Demonstrate how to maintain a tool box. | CMN | 2158 | * | CMN | 2158 | | | | | 2150, 2151 | |
| Initiate a service request. | CMN | 2159 | * | CMN | 2159 | CMN | 2159 | | | - | - |
| Compare circuit card performance against a gold disk. | TMDE | 2170 | * | TMDE | 2170 | | | | | - | - |
| Utilize an oscilloscope. | TMDE | 2171 | * | TMDE | 2171 | TMDE | 2171 | | | 2172 | - |
| Demonstrate the use of a signal generator. | TMDE | 2172 | * | TMDE | 2172 | TMDE | 2172 | | | - | - |
| Utilize a Ground Tester. | TMDE | 2173 | * | TMDE | 2173 | TMDE | 2173 | | | - | - |
| Utilize a Power Meter. | TMDE | 2174 | * | TMDE | 2174 | TMDE | 2174 | | | - | - |
| Utilize a multimeter. | TMDE | 2175 | * | TMDE | 2175 | TMDE | 2175 | | | - | - |
| Measure an RF signal with a spectrum analyzer. | TMDE | 2176 | * | TMDE | 2176 | TMDE | 2176 | | | - | - |
| Describe proper handling and storage of classified materials. | COMSEC | 2190 | 365 | COMSEC | 2190 | COMSEC | 2190 | COMSEC | 2190 | - | - |
| State the physical security requirements for classified areas. | COMSEC | 2191 | 365 | COMSEC | 2191 | COMSEC | 2191 | COMSEC | 2191 | - | - |

| TAOC MAINTENANCE MOS 5948 | | | | | | | | | | | |
|--|--------|------|-------|-----------|------|---------------|------|----------------------|------|------------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Create a classified area physical security diagram. | COMSEC | 2192 | 365 | COMSEC | 2192 | COMSEC | 2192 | COMSEC | 2192 | 2191 | - |
| Conduct classified material inventory. | COMSEC | 2193 | 365 | COMSEC | 2193 | COMSEC | 2193 | COMSEC | 2193 | 2190 | - |
| Extract key material information from EKMS COMSEC callout. | COMSEC | 2194 | * | COMSEC | 2194 | COMSEC | 2194 | | | 2190 | - |
| Utilize a Common Fill Device. | COMSEC | 2195 | 365 | COMSEC | 2195 | COMSEC | 2195 | COMSEC | 2195 | 2190 | - |
| Ensure CMCC handling procedures are followed. | COMSEC | 2196 | * | COMSEC | 2196 | | | | | 2190 | - |
| Ensure EKMS material handling procedures are followed. | COMSEC | 2197 | * | COMSEC | 2197 | | | | | 2190 | - |
| Ensure CCI material handling procedures are followed. | COMSEC | 2198 | * | COMSEC | 2198 | | | | | 2190 | - |
| Ensure physical security of classified areas. | COMSEC | 2199 | 365 | COMSEC | 2199 | COMSEC | 2199 | COMSEC | 2199 | 2191, 2192 | - |
| Describe HF, VHF, UHF, SATCOM radio characteristics. | FAM | 2210 | * | FAM | 2210 | | | | | - | - |
| State the purpose of Automated Data Processing Equipment (ADPE). | FAM | 2211 | * | FAM | 2211 | | | | | - | - |
| Describe the CAC2S. | FAM | 2212 | * | FAM | 2212 | | | | | - | - |
| Define Tactical Data Links characteristics. | FAM | 2213 | * | FAM | 2213 | | | | | - | - |
| Describe MTAOM equipment. | FAM | 2214 | * | FAM | 2214 | | | | | - | - |
| Describe Commanders Tactical Terminal (CTT) equipment. | FAM | 2215 | * | FAM | 2215 | | | | | - | - |

| TAOC MAINTENANCE MOS 5948 | | | | | | | | | | | |
|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|---------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Identify the Intelligence Operations Workstation (IOW). | FAM | 2216 | * | FAM | 2216 | | | | | - | - |
| Describe T/E radios. | FAM | 2217 | * | FAM | 2217 | | | | | - | - |
| Describe C2 Applications. | FAM | 2218 | * | FAM | 2218 | | | | | - | - |
| Describe TACLAN. | FAM | 2222 | * | FAM | 2222 | | | | | - | - |
| Identify the major components of the Composite Tracking Network (CTN). | FAM | 2223 | * | FAM | 2223 | | | | | - | - |
| State the maintenance Collateral Duties (CD). | CD | 2230 | * | CD | 2230 | CD | 2230 | | | - | - |
| Identify the Maintenance Calibrations Program. | CD | 2231 | * | CD | 2231 | | | | | 2230 | - |
| Identify the Maintenance Modifications Program. | CD | 2232 | * | CD | 2232 | | | | | 2230 | - |
| Identify the Tool Control Program. | CD | 2233 | * | CD | 2233 | | | | | 2230 | - |
| Identify the Maintenance Publications Library. | CD | 2234 | * | CD | 2234 | | | | | 2230 | - |
| Identify major Maintenance Safety Program elements. | CD | 2235 | * | CD | 2235 | | | | | 2230 | - |
| State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center. | CD | 2236 | * | CD | 2236 | | | | | 2230 | - |
| Identify the key elements of the Maintenance Embarkation Program. | CD | 2237 | * | CD | 2237 | | | | | 2230 | - |
| Identify the equipment record jacket. | CD | 2238 | * | CD | 2238 | | | | | 2230 | - |

| TAOC MAINTENANCE MOS 5948 | | | | | | | | | | | |
|---|--------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Perform Quality Control Procedures. | CD | 2240 | 1460 | CD | 2240 | CD | 2240 | CD | 2240 | 2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2193, 2194, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3660, 3715, 6103 | - |
| Identify the Maintenance Training program. | CD | 2243 | * | CD | 2243 | | | | | 2230 | - |
| Explain PC hardware. | IAWFAT | 2250 | * | IAWFAT | 2250 | | | | | - | - |
| Explain networking concepts. | IAWFAT | 2251 | * | IAWFAT | 2251 | | | | | - | - |
| Explain laptop features and characteristics. | IAWFAT | 2252 | * | IAWFAT | 2252 | | | | | - | - |
| Explain printer features and characteristics. | IAWFAT | 2253 | * | IAWFAT | 2253 | | | | | - | - |
| Explain operational procedures. | IAWFAT | 2254 | * | IAWFAT | 2254 | | | | | - | - |
| Explain operating systems. | IAWFAT | 2255 | * | IAWFAT | 2255 | | | | | - | - |
| Explain security. | IAWFAT | 2256 | * | IAWFAT | 2256 | | | | | - | - |
| Explain Mobile Devices. | IAWFAT | 2257 | * | IAWFAT | 2257 | | | | | - | - |
| Explain Troubleshooting. | IAWFAT | 2258 | * | IAWFAT | 2258 | | | | | - | - |
| Explain Networking Concepts. | IAWFNT | 2259 | * | IAWFNT | 2259 | | | | | - | - |
| Explain Network Installation and Configuration. | IAWFNT | 2260 | * | IAWFNT | 2260 | | | | | - | - |
| Explain Network Media and Topologies. | IAWFNT | 2261 | * | IAWFNT | 2261 | | | | | - | - |
| Explain Network Management. | IAWFNT | 2262 | * | IAWFNT | 2262 | | | | | - | - |
| Explain Network Security. | IAWFNT | 2263 | * | IAWFNT | 2263 | | | | | - | - |

| TAOC MAINTENANCE MOS 5948 | | | | | | | | | | | |
|---|--------|------|-------|-----------|------|---------------|------|----------------------|------|---------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Explain Network Security. | IAWFST | 2264 | * | IAWFST | 2264 | | | | | - | - |
| Explain Operational Security. | IAWFST | 2265 | * | IAWFST | 2265 | | | | | - | - |
| Explain threats and vulnerabilities. | IAWFST | 2266 | * | IAWFST | 2266 | | | | | - | - |
| Explain cryptography. | IAWFST | 2267 | * | IAWFST | 2267 | | | | | - | - |
| Explain access control and identity management. | IAWFST | 2268 | * | IAWFST | 2268 | | | | | - | - |
| Explain application, data and host security. | IAWFST | 2269 | * | IAWFST | 2269 | | | | | - | - |
| Describe the Identification Friend or Foe (IFF) Mark XII/XIIA components. | IFF | 2350 | * | IFF | 2350 | | | | | - | - |
| Configure the Interrogator Set for operations within the radar. | IFF | 2351 | * | IFF | 2351 | IFF | 2351 | | | - | - |
| Perform corrective maintenance on the Interrogator Set. | IFF | 2352 | * | IFF | 2352 | | | | | - | - |
| Describe the theory of operation of Identification Friend or Foe (IFF) equipment in the LRR. | IFF | 2353 | * | IFF | 2353 | IFF | 2353 | | | - | - |
| Describe the theory of operation of Identification Friend or Foe (IFF) equipment in the MRR. | IFF | 2354 | * | IFF | 2354 | IFF | 2354 | | | - | - |
| Describe the theory of operation of the Tactical Air Operations Module Interface Group (TIG). | RDR | 2360 | * | RDR | 2360 | | | | | - | - |
| Define RF wave propagation. | RDR | 2361 | 730 | RDR | 2361 | RDR | 2361 | RDR | 2361 | - | - |

| TAOC MAINTENANCE MOS 5948 | | | | | | | | | | | |
|---|-------|------|-------|-----------|------|---------------|------|----------------------|------|---------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Explain the theory of electronic countermeasure (ECM) and electronic counter-countermeasures (ECCM). | RDR | 2362 | 730 | RDR | 2362 | RDR | 2362 | RDR | 2362 | - | - |
| Describe the characteristics of LRRs and MRRs. | RDR | 2363 | 730 | RDR | 2363 | RDR | 2363 | RDR | 2363 | - | - |
| Identify organic tools and kits. | RDR | 2364 | * | RDR | 2364 | | | | | - | - |
| Operate the paving breaker. | RDR | 2365 | * | RDR | 2365 | | | | | - | - |
| Maintain the paving breaker. | RDR | 2366 | * | RDR | 2366 | | | | | - | - |
| Repair cables. | RDR | 2367 | * | RDR | 2367 | | | | | - | - |
| Integrate the Portable Autonomous Report Collection System (PARCS) into a radar system for track/data verification. | RDR | 2368 | * | RDR | 2368 | | | | | - | - |
| Identify hazards specific to the LRR. | LRR | 2480 | * | LRR | 2480 | | | | | - | - |
| Verify system performance of the LRR. | LRR | 2481 | * | LRR | 2481 | | | | | - | - |
| Identify LRR embarkation considerations. | LRR | 2482 | 365 | LRR | 2482 | LRR | 2482 | LRR | 2482 | - | - |
| Assemble the LRR. | LRR | 2483 | 730 | LRR | 2483 | LRR | 2483 | LRR | 2483 | - | - |
| Operate the Antenna Electronics Test Unit (AETU) of the LRR. | LRR | 2484 | 730 | LRR | 2484 | LRR | 2484 | LRR | 2484 | - | - |
| Perform row transmitter power module performance test. | LRR | 2485 | * | LRR | 2485 | | | | | - | - |
| Conduct preventive maintenance on the LRR. | LRR | 2486 | * | LRR | 2486 | | | | | - | - |
| Describe the transmit path of the LRR. | LRR | 2487 | 730 | LRR | 2487 | LRR | 2487 | LRR | 2487 | - | - |
| Describe the receive path of the LRR. | LRR | 2488 | 730 | LRR | 2488 | LRR | 2488 | LRR | 2488 | - | - |

| TAOC MAINTENANCE MOS 5948 | | | | | | | | | | | |
|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|---------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Perform corrective maintenance on the AC and DC Power Distribution subsystem of the LRR. | LRR | 2489 | * | LRR | 2489 | | | | | - | - |
| Perform corrective maintenance on the Exciter of the LRR. | LRR | 2490 | * | LRR | 2490 | | | | | - | - |
| Perform corrective maintenance on the Final Receiver of the LRR. | LRR | 2491 | * | LRR | 2491 | | | | | - | - |
| Perform corrective maintenance on the 1A5A1 (data array distribution) on the LRR. | LRR | 2492 | * | LRR | 2492 | | | | | - | - |
| Perform corrective maintenance on the Array Electronics of the LRR. | LRR | 2493 | * | LRR | 2493 | | | | | - | - |
| Perform corrective maintenance on the Electro-mechanical subsystem of Unit 1 in the LRR. | LRR | 2494 | * | LRR | 2494 | | | | | - | - |
| Perform corrective maintenance on the Signal Processor/Data Processor. | LRR | 2495 | * | LRR | 2495 | | | | | - | - |
| Perform corrective maintenance on the IFF subsystem of the LRR. | LRR | 2496 | * | LRR | 2496 | | | | | - | - |
| Perform corrective maintenance on the LRR equipment trailers. | LRR | 2497 | * | LRR | 2497 | | | | | - | - |

| TAOC MAINTENANCE MOS 5948 | | | | | | | | | | | |
|---|-------|------|-------|-----------|------|---------------|------|----------------------|------|---------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Verify the operation of a circuit card using the Printed Circuit Board Tester. | LRR | 2498 | * | LRR | 2498 | | | | | - | - |
| Perform corrective maintenance on the AN/UPA-61 RF switching group. | LRR | 2499 | * | LRR | 2499 | | | | | - | - |
| Describe the theory of operations to the block diagram level of the LRR data processing group (Unit 2). | LRR | 2500 | * | LRR | 2500 | | | | | - | - |
| Perform Unix functions within the LRR. | LRR | 2501 | * | LRR | 2501 | | | | | - | - |
| Verify connection between the LRR and a C2 node. | LRR | 2502 | * | LRR | 2502 | | | | | - | - |
| Verify radar performance utilizing PMFL and Tables menus of the LRR. | LRR | 2503 | 730 | LRR | 2503 | LRR | 2503 | LRR | 2503 | - | - |
| Perform LRR final receiver alignment. | LRR | 2504 | * | LRR | 2504 | | | | | - | - |
| Perform LRR maintenance lift torque limiter alignment. | LRR | 2505 | * | LRR | 2505 | | | | | - | - |
| State the radar system power alignments. | LRR | 2506 | * | LRR | 2506 | | | | | - | - |
| Perform corrective maintenance on the OE-442. | LRR | 2507 | * | LRR | 2507 | | | | | - | - |
| Describe each SET function of the LRR. | LRR | 2508 | 365 | LRR | 2508 | LRR | 2508 | LRR | 2508 | - | - |
| Configure the LRR Radar for an operational environment. | LRR | 2509 | * | LRR | 2509 | | | | | - | - |
| Perform Performance Monitoring Fault Location (PMFL) tests on the LRR. | LRR | 2510 | * | LRR | 2510 | | | | | - | - |

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|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|---------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Operate the Global Positioning System (GPS) within the LRR. | LRR | 2511 | * | LRR | 2511 | | | | | - | - |
| Prepare the LRR Radar for relocation. | LRR | 2512 | 730 | LRR | 2512 | LRR | 2512 | LRR | 2512 | - | - |
| Employ OE-442. | LRR | 2513 | 730 | LRR | 2513 | LRR | 2513 | LRR | 2513 | - | - |
| Identify hazards specific to the MRR. | MRR | 2540 | * | MRR | 2540 | | | | | - | - |
| Configure the MRR for an operational environment. | MRR | 2541 | 365 | MRR | 2541 | MRR | 2541 | MRR | 2541 | - | - |
| Align the receiver on the MRR. | MRR | 2542 | * | MRR | 2542 | | | | | - | - |
| Operate the AN/UYQ-509 Scope. | MRR | 2543 | * | MRR | 2543 | | | | | - | - |
| Describe the operation of the Synchronizer in the MRR. | MRR | 2544 | * | MRR | 2544 | | | | | - | - |
| Verify Mode 4 operation in the MRR. | MRR | 2545 | 730 | MRR | 2545 | MRR | 2545 | MRR | 2545 | - | - |
| Prepare the MRR for relocation. | MRR | 2546 | 730 | MRR | 2546 | MRR | 2546 | MRR | 2546 | - | - |
| Setup the MRR system. | MRR | 2547 | 730 | MRR | 2547 | MRR | 2547 | MRR | 2547 | - | - |
| Perform pre-operational checks on the MRR system. | MRR | 2548 | * | MRR | 2548 | | | | | - | - |
| Operate the MRR system. | MRR | 2549 | 730 | MRR | 2549 | MRR | 2549 | MRR | 2549 | - | - |
| Familiarization with MRR embarkation considerations. | MRR | 2550 | * | MRR | 2550 | | | | | - | - |
| Conduct Preventive Maintenance Checks and Services (PMCS) on the MRR. | MRR | 2551 | * | MRR | 2551 | | | | | - | - |
| Perform corrective maintenance to the Power Distribution subsystem in the MRR. | MRR | 2552 | * | MRR | 2552 | | | | | - | - |

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|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|---------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Perform corrective maintenance to the Multi-Level Power Supply subsystem in the MRR. | MRR | 2553 | * | MRR | 2553 | | | | | - | - |
| Perform corrective maintenance to the Frequency Generator subsystem in the MRR. | MRR | 2554 | * | MRR | 2554 | | | | | - | - |
| Perform corrective maintenance to the RF/IF Receiver subsystem in the MRR. | MRR | 2555 | * | MRR | 2555 | | | | | - | - |
| Perform corrective maintenance on the Antenna and Antenna Control subsystem in the MRR. | MRR | 2556 | * | MRR | 2556 | | | | | - | - |
| Perform corrective maintenance on the Transmitter Control subsystem in the MRR. | MRR | 2557 | * | MRR | 2557 | | | | | - | - |
| Perform corrective maintenance to the TWT subsystem of the transmitter in the MRR. | MRR | 2558 | * | MRR | 2558 | | | | | - | - |
| Perform corrective maintenance to the Coolant subsystem in the MRR. | MRR | 2559 | * | MRR | 2559 | | | | | - | - |
| Perform corrective maintenance on the Extended Range Processor (ERP) subsystem of the receiver in the MRR. | MRR | 2560 | * | MRR | 2560 | | | | | - | - |

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|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|---------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Perform corrective maintenance on the Digital Target Extractor (DTE) subsystem of the receiver in the MRR. | MRR | 2561 | * | MRR | 2561 | | | | | - | - |
| Perform corrective maintenance on the Radar Control Panel (RCP) subsystem of the MRR. | MRR | 2562 | * | MRR | 2562 | | | | | - | - |
| Perform corrective maintenance on the IFF subsystem of the MRR. | MRR | 2563 | * | MRR | 2563 | | | | | - | - |
| Perform alignment of the turn-off pulser. | MRR | 2564 | * | MRR | 2564 | MRR | 2564 | | | - | - |
| Perform alignment of the grid pulser. | MRR | 2565 | * | MRR | 2565 | MRR | 2565 | | | - | - |
| Perform corrective maintenance on the MRR digital target extractor (DTE)/extended range processor (ERP). | MRR | 2566 | * | MRR | 2566 | | | | | - | - |
| Perform corrective maintenance on the MRR radar control panel (1A13). | MRR | 2567 | * | MRR | 2567 | | | | | - | - |
| Perform corrective maintenance on an MRR radar secondary repairable item. | MRR | 2568 | * | MRR | 2568 | | | | | - | - |
| Verify data output from MRR. | MRR | 2569 | * | MRR | 2569 | | | | | - | - |
| Ensure preparatory measures are taken for disposition of equipment. | MMGT | 2600 | * | MMGT | 2600 | | | | | 2150 | - |

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|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Create a Preventive Maintenance Checks and Services (PMCS) schedule. | MMGT | 2601 | * | MMGT | 2601 | | | | | 2151 | - |
| Reconcile Global Combat Supply System (GCSS) reports. | MMGT | 2602 | * | MMGT | 2602 | MMGT | 2602 | | | 2159 | - |
| Identify the SECREP management process. | MMGT | 2603 | * | MMGT | 2603 | | | | | - | - |
| Define RA with regards to O&M funds. | MMGT | 2604 | * | MMGT | 2604 | | | | | - | - |
| Define PE with regards to O&M funds. | MMGT | 2605 | * | MMGT | 2605 | | | | | - | - |
| Induct new equipment into service. | MMGT | 2606 | * | MMGT | 2606 | | | | | 2150, 2159, 2231, 2238 | - |
| Phase out equipment. | MMGT | 2607 | * | MMGT | 2607 | | | | | 2150 | - |
| Inspect maintenance functional areas. | MMGT | 2608 | * | MMGT | 2608 | MMGT | 2608 | | | 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239 | - |
| State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR). | MMGT | 2609 | * | MMGT | 2609 | | | | | - | - |
| Identify the Marine Corps Urgent Needs Process (MCUNP). | MMGT | 2610 | * | MMGT | 2610 | | | | | - | - |
| Conduct a Consolidated Memorandum Receipt (CMR) Review. | MMGT | 2611 | * | MMGT | 2611 | | | | | - | - |
| Verify inventory control procedures are implemented. | MMGT | 2612 | * | MMGT | 2612 | | | | | 2150, 2159 | - |
| Identify the functions of maintenance management. | MMGT | 2613 | * | MMGT | 2613 | | | | | 2602, 2603, 2609, 2611 | - |
| Ensure equipment is inducted into maintenance cycle. | MMGT | 2614 | * | MMGT | 2614 | | | | | 2159 | - |

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|---|-----------|------|-------|-----------|------|---------------|------|----------------------|------|------------------------------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Identify the purpose of communication planning documents. | OMGT | 2680 | * | OMGT | 2680 | | | | | - | - |
| Determine required equipment to support a mission. | OMGT | 2681 | 365 | OMGT | 2681 | OMGT | 2681 | OMGT | 2681 | - | - |
| Conduct communications portion of a site survey. | OMGT | 2682 | 1460 | OMGT | 2682 | OMGT | 2682 | OMGT | 2682 | - | - |
| Identify crew requirements and write a crew schedule. | OMGT | 2683 | * | OMGT | 2683 | | | | | - | - |
| Determine supply support requirements. | OMGT | 2684 | * | OMGT | 2684 | | | | | 2691 | - |
| Develop an embarkation plan. | OMGT | 2685 | * | OMGT | 2685 | | | | | 2687 | - |
| Write a packing list. | OMGT | 2686 | 1460 | OMGT | 2686 | OMGT | 2686 | OMGT | 2686 | - | - |
| Write an Equipment Density List (EDL). | OMGT | 2687 | * | OMGT | 2687 | | | | | - | - |
| Identify power requirements. | OMGT | 2688 | 365 | OMGT | 2688 | OMGT | 2688 | OMGT | 2688 | - | - |
| Identify spectrum management procedures. | OMGT | 2689 | * | OMGT | 2689 | | | | | - | - |
| Fill out a Logistics Support Request (LSR). | OMGT | 2690 | * | OMGT | 2690 | | | | | - | - |
| Submit a Bill of Material (BOM) request. | OMGT | 2691 | * | OMGT | 2691 | | | | | - | - |
| Describe common agency doctrinal nets. | OMGT | 2692 | * | OMGT | 2692 | | | | | - | - |
| MISSION SKILL (3000 Phase) | | | | | | | | | | | |
| T&R EVENT INFORMATION | BASIC POI | | | | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Explain concepts included in A+ exam 220-801. | IAWFAT | 3280 | 1095 | IAWFAT | 3280 | IAWFAT | 3280 | IAWFAT | 3280 | 2250, 2251, 2252, 2253, 2254 | - |
| Explain concepts included in A+ exam 220-802. | IAWFAT | 3281 | 1095 | IAWFAT | 3281 | IAWFAT | 3281 | IAWFAT | 3281 | 2255, 2256, 2257, 2258 | - |

| TAOC MAINTENANCE MOS 5948 | | | | | | | | | | | |
|---|--------|------|-------|-----------|------|---------------|------|----------------------|------|------------------------------------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Explain concepts included in Network+ exam N10-005. | IAWFNT | 3282 | 1095 | IAWFNT | 3282 | IAWFNT | 3282 | IAWFNT | 3282 | 2259, 2260, 2261, 2262, 2263 | - |
| Explain concepts included in Security + exam SY0-301. | IAWFST | 3283 | 1095 | IAWFST | 3283 | IAWFST | 3283 | IAWFST | 3283 | 2264, 2265, 2266, 2267, 2268, 2269 | - |
| Ensure the LRR radar system is properly assembled. | LRR | 3514 | * | LRR | 3514 | | | | | - | - |
| Ensure the LRR radar system is properly disassembled. | LRR | 3515 | * | LRR | 3515 | | | | | - | - |
| Deploy a long range radar system ISO operations. | LRR | 3516 | * | LRR | 3516 | | | | | - | - |
| Perform system troubleshooting on the LRR. | LRR | 3517 | * | LRR | 3517 | | | | | - | - |
| Plan for and coordinate efforts in deploying a long range radar system. | LRR | 3518 | * | LRR | 3518 | | | | | - | - |
| Verify the configuration of the LRR. | LRR | 3519 | 730 | LRR | 3519 | LRR | 3519 | LRR | 3519 | - | - |
| Establish a remote radar link between a C2 node and an LRR system. | LRR | 3521 | 1095 | LRR | 3521 | LRR | 3521 | LRR | 3521 | - | - |
| Verify the configuration of the MRR for an operational environment. | MRR | 3580 | 730 | MRR | 3580 | MRR | 3580 | MRR | 3580 | - | - |
| Ensure the proper setup the MRR. | MRR | 3581 | * | MRR | 3581 | | | | | - | - |
| Deploy a MRR ISO operations. | MRR | 3582 | * | MRR | 3582 | | | | | - | - |
| Perform system troubleshooting on the MRR. | MRR | 3583 | * | MRR | 3583 | MRR | 3583 | | | - | - |
| Plan for and coordinate efforts in deploying a MRR system. | MRR | 3584 | * | MRR | 3584 | | | | | - | - |
| Set-up the CS. | EQUIP | 3470 | 730 | EQUIP | 3470 | EQUIP | 3470 | EQUIP | 3470 | - | - |

| TAOC MAINTENANCE MOS 5948 | | | | | | | | | | | |
|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|---------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Troubleshoot faulty system component in a CS. | EQUIP | 3471 | 730 | EQUIP | 3471 | EQUIP | 3471 | EQUIP | 3471 | - | - |
| Ensure the corrective maintenance repair process is being conducted. | MMGT | 3660 | * | MMGT | 3660 | | | | | - | - |
| Validate SECREP assets. | MMGT | 3661 | 1095 | MMGT | 3661 | MMGT | 3661 | MMGT | 3661 | - | - |
| Assess maintenance funding requirements. | MMGT | 3662 | * | MMGT | 3662 | | | | | - | - |
| Provide input to the operational plan. | OMGT | 3710 | 1095 | OMGT | 3710 | OMGT | 3710 | OMGT | 3710 | - | - |
| Organize and assign crews for deployment. | OMGT | 3711 | * | OMGT | 3711 | | | | | - | - |
| Deploy a maintenance capability. | OMGT | 3714 | * | OMGT | 3714 | | | | | - | - |
| Prepare system for embark. | OMGT | 3715 | * | OMGT | 3715 | | | | | - | - |
| Identify TACC Communications information exchange requirements. | MACG | 3750 | 1095 | MACG | 3750 | MACG | 3750 | MACG | 3750 | - | - |
| Identify TAOC and EW/C communications information exchange requirements. | MACG | 3751 | 1095 | MACG | 3751 | MACG | 3751 | MACG | 3751 | - | - |
| Identify DASC communications information exchange requirements. | MACG | 3752 | 1095 | MACG | 3752 | MACG | 3752 | MACG | 3752 | - | - |
| Identify UAS Communications information exchange requirements. | MACG | 3753 | 1095 | MACG | 3753 | MACG | 3753 | MACG | 3753 | - | - |
| Identify LAAD Communications information exchange requirements. | MACG | 3754 | 1095 | MACG | 3754 | MACG | 3754 | MACG | 3754 | - | - |
| Identify MATC communications information exchange requirements. | MACG | 3755 | 1095 | MACG | 3755 | MACG | 3755 | MACG | 3755 | - | - |

| TAOC MAINTENANCE MOS 5948 | | | | | | | | | | | |
|---|-----------|------|-------|-----------|------|---------------|------|----------------------|------|------------------------------------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Draw a Communications Diagram for the agencies within the MACG. | MACG | 3756 | 1095 | MACG | 3756 | MACG | 3756 | MACG | 3756 | 3750, 3751, 3752, 3753, 3754, 3755 | - |
| MISSION SKILL (3000 Phase) | | | | | | | | | | | |
| T&R EVENT INFORMATION | BASIC POI | | | | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Install and operate the Radar Environment Simulator (RES). | LRR | 4520 | * | LRR | 4520 | | | | | - | - |
| Establish a remote radar link between a C2 node and a MRR system. | MRR | 4590 | * | MRR | 4590 | | | | | - | - |

5.18 T&R SYLLABUS MATRIX

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|--|-------|--|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS) | | | | | | | | | | | | | | | | | | | |
| AIR SCHOOLS (AIRS) STAGE | | | | | | | | | | | | | | | | | | | |
| AIRS | 1050 | Perform corrective maintenance on the AN/TPS-59A(V)3 Radar system to the Line Replaceable Unit (LRU). | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1051 | Perform corrective maintenance on the AN/UPX-37 Digital Interrogator to the Line Replaceable Unit (LRU). | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1052 | Assemble the AN/TPS-59A(V)3 Radar system. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1053 | Perform post emplacement procedures on the AN/TPS-59A(V)3 Radar system. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1054 | Perform alignment procedures on the AN/TPS-59A(V)3 Radar system. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1055 | Operate the AN/TPS-59A(V)3 Radar system. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1056 | Perform corrective maintenance on the AN/TPS-63B Radar system to the Line Replaceable Unit (LRU). | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1057 | Perform alignment procedures on the AN/TPS-63B Radar system. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1058 | Operate the AN/TPS-63B Radar system. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1059 | Perform pre-operational checks on the AN/TPS-63B Radar system. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1060 | Setup the AN/TPS-63B Radar system. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1061 | Prepare the AN/TPS-59A(V)3 Radar for relocation. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|---|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|------------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | | | | | | | | | | | | | | | |
| AIRS | 1062 | Prepare the AN/TPS-63B for relocation. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1063 | Install Identification Friend or Foe (IFF) equipment in the AN/TPS-59A(V)3. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1064 | Install Identification Friend or Foe (IFF) equipment in the AN/TPS-63B Radar. | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| AIRS | 1121 | Describe the Marine Air Control Squadron (MACS). | B | E | G | - | - | D | * | | 0 | | 0 | | 0.0 | - | - | - | |
| TOTAL AIR SCHOOLS (AIRS) SKILL STAGE | | | | | | | | | | 1 | 0 | 0 | 0 | 0 | 0.0 | | | | |
| TOTAL CORE SKILL INTRODUCTION PHASE TRAINING (1000 PHASE) | | | | | | | | | | 14 | 0 | 0 | 0 | 0 | 0.0 | | | | |
| MACCS MAINTENANCE COMMON (CMN) | | | | | | | | | | | | | | | | | | | |
| CMN | 2150 | Conduct an SL-3 inventory. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| CMN | 2151 | Identify the purpose of Preventive Maintenance Checks and Services (PMCS). | B | - | L | - | - | - | * | | 0 | | 0 | | 1.5 | - | - | - | |
| CMN | 2152 | Submit a Product Quality Deficiency Report (PQDR). | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| CMN | 2153 | Demonstrate an earth ground installation. | B | - | L | - | - | - | * | | 0 | | 0 | | 3.0 | 2173 | - | - | |
| CMN | 2154 | Describe the characteristics of unit T/E generators. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| CMN | 2158 | Demonstrate how to maintain a tool box. | B | - | L | - | - | - | * | | 0 | | 0 | | 1.0 | 2150, 2151 | - | - | |
| CMN | 2159 | Initiate a service request. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 1.0 | - | - | - | |
| TOTAL MACCS MAINTENANCE COMMON (CMN) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 7 | 12.5 | | | | |
| TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) | | | | | | | | | | | | | | | | | | | |
| TMDE | 2170 | Compare circuit card performance against a gold disk. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| TMDE | 2171 | Utilize an oscilloscope. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | 2172 | - | - | |
| TMDE | 2172 | Demonstrate the use of a signal generator. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| TMDE | 2173 | Utilize a Ground Tester. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| TMDE | 2174 | Utilize a Power Meter. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| TMDE | 2175 | Utilize a multimeter. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 1.0 | - | - | - | |
| TMDE | 2176 | Measure an RF signal with a spectrum analyzer. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 1.0 | - | - | - | |
| TOTAL TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 7 | 12.0 | | | | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|--|-------|--|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| COMMUNICATION SECURITY (COMSEC) | | | | | | | | | | | | | | | | | | | |
| COMSEC | 2190 | Describe proper handling and storage of classified materials. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 0 | 2.0 | - | - | - | - | - | |
| COMSEC | 2191 | State the physical security requirements for classified areas. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 0 | 2.0 | - | - | - | - | - | |
| COMSEC | 2192 | Create a classified area physical security diagram. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 0 | 2.0 | 2191 | - | - | - | - | |
| COMSEC | 2193 | Conduct classified material inventory. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | - | |
| COMSEC | 2194 | Extract key material information from EKMS COMSEC callout. | B,R | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | - | |
| COMSEC | 2195 | Utilize a Common Fill Device. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | - | |
| COMSEC | 2196 | Ensure CMCC handling procedures are followed. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | - | |
| COMSEC | 2197 | Ensure EKMS material handling procedures are followed. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | - | |
| COMSEC | 2198 | Ensure CCI material handling procedures are followed. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | 2190 | - | - | - | - | |
| COMSEC | 2199 | Ensure physical security of classified areas. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 0 | 2.0 | 2191, 2192 | - | - | - | - | |
| TOTAL COMMUNICATION SECURITY (COMSEC) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 10 | 19.0 | | | | |
| FAMILIARIZATION (FAM) | | | | | | | | | | | | | | | | | | | |
| FAM | 2210 | Describe HF, VHF, UHF, SATCOM radio characteristics. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | - | - | - | - | - | |
| FAM | 2211 | State the purpose of Automated Data Processing Equipment (ADPE). | B | - | L | - | - | - | * | 0 | 0 | 0 | 3.0 | - | - | - | - | - | |
| FAM | 2212 | Describe the CAC2S. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | - | - | - | - | - | |
| FAM | 2213 | Define Tactical Data Links characteristics. | B | - | L | - | - | - | * | 0 | 0 | 0 | 3.0 | - | - | - | - | - | |
| FAM | 2214 | Describe MTAOM equipment. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | - | |
| FAM | 2215 | Describe Commanders Tactical Terminal (CTT) equipment. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | - | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|--|-------|--|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| FAM | 2216 | Identify the Intelligence Operations Workstation (IOW). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | |
| FAM | 2217 | Describe T/E radios. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | | |
| FAM | 2218 | Describe C2 Applications. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | | |
| FAM | 2222 | Describe TACLAN. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | | |
| FAM | 2223 | Identify the major components of the Composite Tracking Network (CTN). | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | | |
| TOTAL FAMILIARIZATION (FAM) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 11 | 18.0 | | | | |
| COLLATERAL DUTY (CD) | | | | | | | | | | | | | | | | | | | |
| CD | 2230 | State the maintenance Collateral Duties (CD). | B,R | - | L | - | - | - | * | 0 | 0 | 0 | 8.0 | - | - | - | - | | |
| CD | 2231 | Identify the Maintenance Calibrations Program. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | 2230 | - | - | - | | |
| CD | 2232 | Identify the Maintenance Modifications Program. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | 2230 | - | - | - | | |
| CD | 2233 | Identify the Tool Control Program. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | 2230 | - | - | - | | |
| CD | 2234 | Identify the Maintenance Publications Library. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | 2230 | - | - | - | | |
| CD | 2235 | Identify major Maintenance Safety Program elements. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | 2230 | - | - | - | | |
| CD | 2236 | State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | 2230 | - | - | - | | |
| CD | 2237 | Identify the key elements of the Maintenance Embarkation Program. | B | - | L | - | - | - | * | 0 | 0 | 0 | 3.0 | 2230 | - | - | - | | |
| CD | 2238 | Identify the equipment record jacket. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | 2230 | - | - | - | | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|--|-------|---|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|--|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| CD | 2240 | Perform Quality Control Procedures. | B,R,M | - | L | - | - | - | 1460 | 0 | 0 | 0 | 0 | 2.0 | 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 | - | - | - | |
| CD | 2243 | Identify the Maintenance Training program. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | 2230 | - | - | - | |
| TOTAL COLLATERAL DUTY (CD) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 11 | 27.0 | | | | |
| INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) | | | | | | | | | | | | | | | | | | | |
| IAWFAT | 2250 | Explain PC hardware. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | |
| IAWFAT | 2251 | Explain networking concepts. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | |
| IAWFAT | 2252 | Explain laptop features and characteristics. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | |
| IAWFAT | 2253 | Explain printer features and characteristics. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | |
| IAWFAT | 2254 | Explain operational procedures. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | |
| IAWFAT | 2255 | Explain operating systems. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | |
| IAWFAT | 2256 | Explain security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | |
| IAWFAT | 2257 | Explain Mobile Devices. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | |
| IAWFAT | 2258 | Explain Troubleshooting. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | |
| TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 9 | 36.0 | | | | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|--|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) | | | | | | | | | | | | | | | | | | | |
| IAWFNT | 2259 | Explain Networking Concepts. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFNT | 2260 | Explain Network Installation and Configuration. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFNT | 2261 | Explain Network Media and Topologies. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFNT | 2262 | Explain Network Management. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFNT | 2263 | Explain Network Security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 5 | 20.0 | | | | |
| INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) | | | | | | | | | | | | | | | | | | | |
| IAWFST | 2264 | Explain Network Security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFST | 2265 | Explain Operational Security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFST | 2266 | Explain threats and vulnerabilities. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFST | 2267 | Explain cryptography. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFST | 2268 | Explain access control and identity management. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFST | 2269 | Explain application, data and host security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 6 | 24.0 | | | | |
| IDENTIFICATION FRIEND OR FOE (IFF) | | | | | | | | | | | | | | | | | | | |
| IFF | 2350 | Describe the Identification Friend or Foe (IFF) Mark XII/XIIA components. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| IFF | 2351 | Configure the Interrogator Set for operations within the radar. | B,R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | - |
| IFF | 2352 | Perform corrective maintenance on the Interrogator Set. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| IFF | 2353 | Describe the theory of operation of Identification Friend or Foe (IFF) equipment in the LRR. | B,R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| IFF | 2354 | Describe the theory of operation of Identification Friend or Foe (IFF) equipment in the MRR. | B,R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| TOTAL IDENTIFICATION FRIEND OR FOE (IFF) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 5 | 9.0 | | | | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|---|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| RADAR (RDR) | | | | | | | | | | | | | | | | | | | |
| RDR | 2360 | Describe the theory of operation of the Tactical Air Operations Module Interface Group (TIG). | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| RDR | 2361 | Define RF wave propagation. | B,R,M | E | L | - | - | - | 730 | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| RDR | 2362 | Explain the theory of electronic countermeasure (ECM) and electronic counter-countermeasures (ECCM). | B,R,M | E | L | - | - | - | 730 | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| RDR | 2363 | Describe the characteristics of LRRs and MRRs. | B,R,M | E | L | - | - | - | 730 | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| RDR | 2364 | Identify organic tools and kits. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | - | - |
| RDR | 2365 | Operate the paving breaker. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | - | - | - |
| RDR | 2366 | Maintain the paving breaker. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| RDR | 2367 | Repair cables. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| RDR | 2368 | Integrate the Portable Autonomous Report Collection System (PARCS) into a radar system for track/data verification. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| TOTAL RADAR (RDR) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 9 | 19.0 | | | | |
| LONG RANGE RADAR (LRR) | | | | | | | | | | | | | | | | | | | |
| LRR | 2480 | Identify hazards specific to the LRR. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| LRR | 2481 | Verify system performance of the LRR. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| LRR | 2482 | Identify LRR embarkation considerations. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| LRR | 2483 | Assemble the LRR. | B,R,M | - | L | - | - | - | 730 | 0 | 0 | 0 | 8.0 | - | - | - | - | - | - |
| LRR | 2484 | Operate the Antenna Electronics Test Unit (AETU) of the LRR. | B,R,M | - | L | - | - | - | 730 | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| LRR | 2485 | Perform row transmitter power module performance test. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| LRR | 2486 | Conduct preventive maintenance on the LRR. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|--|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| LRR | 2487 | Describe the transmit path of the LRR. | B,R,M | - | L | - | - | - | 730 | | 0 | | 0 | | 2.0 | - | - | - | |
| LRR | 2488 | Describe the receive path of the LRR. | B,R,M | - | L | - | - | - | 730 | | 0 | | 0 | | 2.0 | - | - | - | |
| LRR | 2489 | Perform corrective maintenance on the AC and DC Power Distribution subsystem of the LRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| LRR | 2490 | Perform corrective maintenance on the Exciter of the LRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| LRR | 2491 | Perform corrective maintenance on the Final Receiver of the LRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| LRR | 2492 | Perform corrective maintenance on the 1A5A1 (data array distribution) on the LRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| LRR | 2493 | Perform corrective maintenance on the Array Electronics of the LRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| LRR | 2494 | Perform corrective maintenance on the Electro-mechanical subsystem of Unit 1 in the LRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| LRR | 2495 | Perform corrective maintenance on the Signal Processor/Data Processor. | B | - | L | - | - | - | * | | 0 | | 0 | | 12.0 | - | - | - | |
| LRR | 2496 | Perform corrective maintenance on the IFF subsystem of the LRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| LRR | 2497 | Perform corrective maintenance on the LRR equipment trailers. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| LRR | 2498 | Verify the operation of a circuit card using the Printed Circuit Board Tester. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| LRR | 2499 | Perform corrective maintenance on the AN/UPA-61 RF switching group. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------|---|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|-------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| LRR | 2500 | Describe the theory of operations to the block diagram level of the LRR data processing group (Unit 2). | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | - | - | - | - | - | - |
| LRR | 2501 | Perform Unix functions within the LRR. | B | - | L | - | - | - | * | 0 | 0 | 4.0 | - | - | - | - | - | - | |
| LRR | 2502 | Verify connection between the LRR and a C2 node. | B | - | L | - | - | - | * | 0 | 0 | 4.0 | - | - | - | - | - | - | |
| LRR | 2503 | Verify radar performance utilizing PMFL and Tables menus of the LRR. | B,R,M | - | L | - | - | - | 730 | 0 | 0 | 2.0 | - | - | - | - | - | - | |
| LRR | 2504 | Perform LRR final receiver alignment. | B | - | L | - | - | - | * | 0 | 0 | 4.0 | - | - | - | - | - | - | |
| LRR | 2505 | Perform LRR maintenance lift torque limiter alignment. | B | - | L | - | - | - | * | 0 | 0 | 4.0 | - | - | - | - | - | - | |
| LRR | 2506 | State the radar system power alignments. | B | - | L | - | - | - | * | 0 | 0 | 2.0 | - | - | - | - | - | - | |
| LRR | 2507 | Perform corrective maintenance on the OE-442. | B | - | L | - | - | - | * | 0 | 0 | 2.0 | - | - | - | - | - | - | |
| LRR | 2508 | Describe each SET function of the LRR. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 2.0 | - | - | - | - | - | - | |
| LRR | 2509 | Configure the LRR Radar for an operational environment. | B | - | L | - | - | - | * | 0 | 0 | 2.0 | - | - | - | - | - | - | |
| LRR | 2510 | Perform Performance Monitoring Fault Location (PMFL) tests on the LRR. | B | - | L | - | - | - | * | 0 | 0 | 2.0 | - | - | - | - | - | - | |
| LRR | 2511 | Operate the Global Positioning System (GPS) within the LRR. | B | - | L | - | - | - | * | 0 | 0 | 2.0 | - | - | - | - | - | - | |
| LRR | 2512 | Prepare the LRR Radar for relocation. | B,R,M | - | L | - | - | - | 730 | 0 | 0 | 8.0 | - | - | - | - | - | - | |
| LRR | 2513 | Employ OE-442. | B,R,M | - | L | - | - | - | 730 | 0 | 0 | 8.0 | - | - | - | - | - | - | |
| TOTAL LONG RANGE RADAR (LRR) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 34 | 120.0 | | | | |
| MEDIUM RANGE RADAR (MRR) | | | | | | | | | | | | | | | | | | | |
| MRR | 2540 | Identify hazards specific to the MRR. | B | - | L | - | - | - | * | 0 | 0 | 2.0 | - | - | - | - | - | - | |
| MRR | 2541 | Configure the MRR for an operational environment. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 2.0 | - | - | - | - | - | - | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|---|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | | | | | | | | | | | | | | | |
| MRR | 2542 | Align the receiver on the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| MRR | 2543 | Operate the AN/UYQ-509 Scope. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2544 | Describe the operation of the Synchronizer in the MRR. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2545 | Verify Mode 4 operation in the MRR. | B,R,M | - | L | - | - | - | 730 | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2546 | Prepare the MRR for relocation. | B,R,M | - | L | - | - | - | 730 | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2547 | Setup the MRR system. | B,R,M | - | L | - | - | - | 730 | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2548 | Perform pre-operational checks on the MRR system. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2549 | Operate the MRR system. | B,R,M | - | L | - | - | - | 730 | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2550 | Familiarization with MRR embarkation considerations. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2551 | Conduct Preventive Maintenance Checks and Services (PMCS) on the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2552 | Perform corrective maintenance to the Power Distribution subsystem in the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2553 | Perform corrective maintenance to the Multi-Level Power Supply subsystem in the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| MRR | 2554 | Perform corrective maintenance to the Frequency Generator subsystem in the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2555 | Perform corrective maintenance to the RF/IF Receiver subsystem in the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2556 | Perform corrective maintenance on the Antenna and Antenna Control subsystem in the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|--|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| MRR | 2557 | Perform corrective maintenance on the Transmitter Control subsystem in the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2558 | Perform corrective maintenance to the TWT subsystem of the transmitter in the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2559 | Perform corrective maintenance to the Coolant subsystem in the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2560 | Perform corrective maintenance on the Extended Range Processor (ERP) subsystem of the receiver in the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2561 | Perform corrective maintenance on the Digital Target Extractor (DTE) subsystem of the receiver in the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2562 | Perform corrective maintenance on the Radar Control Panel (RCP) subsystem of the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2563 | Perform corrective maintenance on the IFF subsystem of the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | |
| MRR | 2564 | Perform alignment of the turn-off pulser. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| MRR | 2565 | Perform alignment of the grid pulser. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| MRR | 2566 | Perform corrective maintenance on the MRR digital target extractor (DTE)/extended range processor (ERP). | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| MRR | 2567 | Perform corrective maintenance on the MRR radar control panel (1A13). | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|--|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|--|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| MRR | 2568 | Perform corrective maintenance on an MRR radar secondary reparable item. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | |
| MRR | 2569 | Verify data output from MRR. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | |
| TOTAL MEDIUM RANGE RADAR (MRR) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 30 | 74.0 | | | | |
| MAINTENANCE MANAGEMENT (MMGT) | | | | | | | | | | | | | | | | | | | |
| MMGT | 2600 | Ensure preparatory measures are taken for disposition of equipment. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 3.0 | 2150 | - | - | - | |
| MMGT | 2601 | Create a Preventive Maintenance Checks and Services (PMCS) schedule. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2151 | - | - | - | |
| MMGT | 2602 | Reconcile Global Combat Supply System (GCSS) reports. | B,R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | 2159 | - | - | - | |
| MMGT | 2603 | Identify the SECREP management process. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | |
| MMGT | 2604 | Define RA with regards to O&M funds. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | |
| MMGT | 2605 | Define PE with regards to O&M funds. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | |
| MMGT | 2606 | Induct new equipment into service. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | 2150, 2159, 2231, 2238 | - | - | - | |
| MMGT | 2607 | Phase out equipment. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | 2150 | - | - | - | |
| MMGT | 2608 | Inspect maintenance functional areas. | B,R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 16.0 | 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238 | - | - | - | |
| MMGT | 2609 | State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | |
| MMGT | 2610 | Identify the Marine Corps Urgent Needs Process (MCUNP). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | |
| MMGT | 2611 | Conduct a Consolidated Memorandum Receipt (CMR) Review. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 40.0 | - | - | - | - | |
| MMGT | 2612 | Verify inventory control procedures are implemented. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.5 | 2150, 2159 | - | - | - | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|---|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|-------|------------------------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| MMGT | 2613 | Identify the functions of maintenance management. | B | - | L | - | - | - | * | | 0 | | 0 | | 13.0 | 2602, 2603, 2609, 2611 | - | - | - |
| MMGT | 2614 | Ensure equipment is inducted into maintenance cycle. | B | - | L | - | - | - | * | | 0 | | 0 | | 1.0 | 2159 | - | - | - |
| TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 15 | 93.5 | | | | |
| OPERATIONAL MANAGEMENT (OMGT) | | | | | | | | | | | | | | | | | | | |
| OMGT | 2680 | Identify the purpose of communication planning documents. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | - |
| OMGT | 2681 | Determine required equipment to support a mission. | B,R,M | - | L | - | - | - | 365 | | 0 | | 0 | | 2.0 | - | - | - | - |
| OMGT | 2682 | Conduct communications portion of a site survey. | B,R,M | - | L | - | - | - | 1460 | | 0 | | 0 | | 4.0 | - | - | - | - |
| OMGT | 2683 | Identify crew requirements and write a crew schedule. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | - |
| OMGT | 2684 | Determine supply support requirements. | B | - | L | - | - | - | * | | 0 | | 0 | | 3.0 | 2691 | - | - | - |
| OMGT | 2685 | Develop an embarkation plan. | B | - | L | - | - | - | * | | 0 | | 0 | | 1.0 | 2687 | - | - | - |
| OMGT | 2686 | Write a packing list. | B,R,M | - | L | - | - | - | 1460 | | 0 | | 0 | | 8.0 | - | - | - | - |
| OMGT | 2687 | Write an Equipment Density List (EDL). | B | - | L | - | - | - | * | | 0 | | 0 | | 8.0 | - | - | - | - |
| OMGT | 2688 | Identify power requirements. | B,R,M | - | L | - | - | - | 365 | | 0 | | 0 | | 4.0 | - | - | - | - |
| OMGT | 2689 | Identify spectrum management procedures. | B | - | L | - | - | - | * | | 0 | | 0 | | 1.0 | - | - | - | - |
| OMGT | 2690 | Fill out a Logistics Support Request (LSR). | B | - | L | - | - | - | * | | 0 | | 0 | | 1.0 | - | - | - | - |
| OMGT | 2691 | Submit a Bill of Material (BOM) request. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | - |
| OMGT | 2692 | Describe common agency doctrinal nets. | B | - | L | - | - | - | * | | 0 | | 0 | | 1.0 | - | - | - | - |
| TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 13 | 39.0 | | | | |
| TOTAL CORE SKILL PHASE (2000 PHASE) | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 172 | 523.0 | | | | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|---|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| MISSION SKILL TRAINING (3000 PHASE EVENTS) | | | | | | | | | | | | | | | | | | | |
| INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE | | | | | | | | | | | | | | | | | | | |
| IAWFAT | 3280 | Explain concepts included in A+ exam 220-801. | B,R,M | E | L | - | - | - | 1095 | | 0 | | 0 | | 4.0 | 2250, 2251, 2252, 2253, 2254 | - | - | - |
| IAWFAT | 3281 | Explain concepts included in A+ exam 220-802. | B,R,M | E | L | - | - | - | 1095 | | 0 | | 0 | | 4.0 | 2255, 2256, 2257, 2258 | - | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 2 | 8.0 | | | | |
| INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE | | | | | | | | | | | | | | | | | | | |
| IAWFNT | 3282 | Explain concepts included in Network+ exam N10-005. | B,R,M | E | L | - | - | - | 1095 | | 0 | | 0 | | 4.0 | 2259, 2260, 2261, 2262, 2263 | - | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 4.0 | | | | |
| INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE | | | | | | | | | | | | | | | | | | | |
| IAWFST | 3283 | Explain concepts included in Security + exam SY0-301. | B,R,M | E | L | - | - | - | 1095 | | 0 | | 0 | | 4.0 | 2264, 2265, 2266, 2267, 2268, 2269 | - | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 4.0 | | | | |
| LONG RANGE RADAR (LRR) | | | | | | | | | | | | | | | | | | | |
| LRR | 3514 | Ensure the LRR radar system is properly assembled. | B | - | L | - | - | - | * | | 0 | | 0 | | 8.0 | 2480, 2483 | - | - | - |
| LRR | 3515 | Ensure the LRR radar system is properly disassembled. | B | - | L | - | - | - | * | | 0 | | 0 | | 8.0 | 2480, 2512 | - | - | - |
| LRR | 3516 | Deploy a long range radar system ISO operations. | B | - | L | - | - | - | * | | 0 | | 0 | | 12.0 | 2480, 2482, 2483, 2502, 2512 | - | - | - |
| LRR | 3517 | Perform system troubleshooting on the LRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 8.0 | 2480, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500 | - | - | - |
| LRR | 3518 | Plan for and coordinate efforts in deploying a long range radar system. | B | - | L | - | - | - | * | | 0 | | 0 | | 12.0 | 2480, 2482 | - | - | - |
| LRR | 3519 | Verify the configuration of the LRR. | B,R,M | - | L | - | - | - | 730 | | 0 | | 0 | | 2.0 | 2481, 2485, 2503 | - | - | - |
| LRR | 3521 | Establish a remote radar link between a C2 node and an LRR system. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 8.0 | 2502 | - | - | - |
| TOTAL LONG RANGE RADAR (LRR) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 8 | 58.0 | | | | |
| MEDIUM RANGE RADAR (MRR) | | | | | | | | | | | | | | | | | | | |
| MRR | 3580 | Verify the configuration of the MRR for an operational environment. | B,R,M | - | L | - | - | - | 730 | | 0 | | 0 | | 2.0 | 2541, 2548, 2549 | - | - | - |
| MRR | 3581 | Ensure the proper setup the MRR. | B | - | L | - | - | - | * | | 0 | | 0 | | 8.0 | 2540, 2547 | - | - | - |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|--|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| MRR | 3582 | Deploy a MRR ISO operations. | B | - | L | - | - | - | * | | 0 | | 0 | | 12.0 | 2540, 2541, 2546, 2547, 2549 | - | - | - |
| MRR | 3583 | Perform system troubleshooting on the MRR. | B,R | - | L | - | - | - | * | | 0 | | 0 | | 8.0 | 2540, 2541, 2543, 2548, 2549, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568 | - | - | - |
| MRR | 3584 | Plan for and coordinate efforts in deploying a MRR system. | B | - | L | - | - | - | * | | 0 | | 0 | | 12.0 | 2540, 2550 | - | - | - |
| TOTAL MEDIUM RANGE RADAR (MRR) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 5 | 42.0 | | | | |
| MAINTENANCE MANAGEMENT (MMGT) | | | | | | | | | | | | | | | | | | | |
| MMGT | 3660 | Ensure the corrective maintenance repair process is being conducted. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | - |
| MMGT | 3661 | Validate SECREP assets. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 2.0 | - | - | - | - |
| MMGT | 3662 | Assess maintenance funding requirements. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | - |
| TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 3 | 6.0 | | | | |
| OPERATIONAL MANAGEMENT (OMGT) | | | | | | | | | | | | | | | | | | | |
| OMGT | 3710 | Provide input to the operational plan. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 1.0 | - | - | - | - |
| OMGT | 3711 | Organize and assign crews for deployment. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | - |
| OMGT | 3714 | Deploy a maintenance capability. | B | - | L | - | - | - | * | | 0 | | 0 | | 8.0 | - | - | - | - |
| OMGT | 3715 | Prepare system for embark. | B | - | L | - | - | - | * | | 0 | | 0 | | 8.0 | - | - | - | - |
| TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 6 | 19.0 | | | | |
| MARINE AIR CONTROL GROUP (MACG) | | | | | | | | | | | | | | | | | | | |
| MACG | 3750 | Identify TACC Communications information exchange requirements. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 1.0 | - | - | - | - |
| MACG | 3751 | Identify TAOC and EW/C communications information exchange requirements. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 1.0 | - | - | - | - |
| MACG | 3752 | Identify DASC communications information exchange requirements. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 1.0 | - | - | - | - |
| MACG | 3753 | Identify UAS Communications information exchange requirements. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 1.0 | - | - | - | - |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|---|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|-------|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| MACG | 3754 | Identify LAAD Communications information exchange requirements. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 1.0 | - | - | - | |
| MACG | 3755 | Identify MATC communications information exchange requirements. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 1.0 | - | - | - | |
| MACG | 3756 | Draw a Communications Diagram for the agencies within the MACG. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 2.0 | 3750, 3751, 3752, 3753, 3754, 3755 | - | - | - |
| TOTAL MARINE AIR CONTROL GROUP (MACG) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 5 | 8.0 | | | | |
| TOTAL MISSION SKILL PHASE (3000 PHASE) | | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 31.0 | 149.0 | | | | |
| MISSION PLUS SKILL TRAINING (4000 PHASE EVENTS) | | | | | | | | | | | | | | | | | | | |
| LONG RANGE RADAR (LRR) | | | | | | | | | | | | | | | | | | | |
| LRR | 4520 | Install and operate the Radar Environment Simulator (RES) | B | - | L | - | - | - | * | | 0 | | 0 | | 8.0 | - | - | - | |
| TOTAL LONG RANGE RADAR (LRR) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 8.0 | | | | |
| MEDIUM RANGE RADAR (MRR) | | | | | | | | | | | | | | | | | | | |
| MRR | 4590 | Establish a remote radar link between a C2 node and a MRR system. | B | - | L | - | - | - | * | | 0 | | 0 | | 8.0 | 2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 6102, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| TOTAL MEDIUM RANGE RADAR (MRR) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 8.0 | | | | |
| TOTAL MISSION PLUS SKILL PHASE (4000 PHASE) | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 2 | 16.0 | | | | |
| TOTAL 2000, 3000, AND 4000 PHASE | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 205 | 688.0 | | | | |
| INSTRUCTOR TRAINING (5000 PHASE EVENTS) | | | | | | | | | | | | | | | | | | | |
| INSTRUCTOR UNDER TRAINING (IUT) | | | | | | | | | | | | | | | | | | | |
| BASIC INSTRUCTOR (BI) | | | | | | | | | | | | | | | | | | | |
| IUT | 5000 | Introduce principles of instruction | B | - | G | - | - | D | * | | 0 | | 0 | | 2.0 | Recommended by SI or WTI | - | - | - |
| IUT | 5010 | Understand the structure of an event | B | - | G | - | - | D | * | | 0 | | 0 | | 1.0 | Recommended by SI or WTI | - | - | - |
| IUT | 5020 | Conduct a period of instruction on a T&R event | B | - | G | - | - | D | * | | 0 | | 0 | | 2.0 | Recommended by SI or WTI | - | - | - |
| TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI) | | | | | | | | | | 0 | 0 | 0 | 0 | 3 | 5.0 | | | | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | | | |
|---|-------|--|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--|-------|-------|------------|---|---|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV | | |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | | | |
| SENIOR INSTRUCTOR (SI) | | | | | | | | | | | | | | | | | | | | | |
| IUT | 5100 | Understand Aviation T&R program | B | - | G | - | - | D | * | | 0 | | 0 | | 2.0 | 5000, 5010, 5020, 6320 | - | - | - | | |
| IUT | 5110 | Understand Applicable Community T&R | B | - | G | - | - | D | * | | 0 | | 0 | | 2.0 | 5000, 5010, 5020, 6320 | - | - | - | | |
| IUT | 5120 | Understand T&R Administration | B | - | G | - | - | D | * | | 0 | | 0 | | 2.0 | 5000, 5010, 5020, 6320 | - | - | - | | |
| IUT | 5130 | Develop a training plan | B,R,M | - | G | - | - | D | 365 | | 0 | | 0 | | 2.0 | 5000, 5010, 5020, 6320 | - | - | - | | |
| TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI) | | | | | | | | | | 0 | 0 | 0 | 0 | 4 | 8.0 | | | | | | |
| TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT) | | | | | | | | | | 0 | 0 | 0 | 0 | 7 | 13.0 | | | | | | |
| REQUIREMENTS, QUALIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE) | | | | | | | | | | | | | | | | | | | | | |
| QUALIFICATIONS (QUAL) | | | | | | | | | | | | | | | | | | | | | |
| QUAL | 6102 | Qualification as an Aviation Radar Basic Technician (ARBT). | B | - | L | - | - | - | * | | 0 | | 0 | | 0.5 | 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2195, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | | | - | - | |
| QUAL | 6103 | Qualification as an Aviation Radar Advanced Technician (ARAT). | B | - | L | - | - | - | * | | 0 | | 0 | | 0.5 | 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 6102, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 | | | - | - | - |
| TOTAL QUALIFICATIONS STAGE (QUAL) | | | | | | | | | | 0 | 0 | 0 | 0 | 2 | 1.0 | | | | | | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|--|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|--|--|-------|------------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| CERTIFICATION (CERT) | | | | | | | | | | | | | | | | | | | |
| CERT | 6200 | Certification as a COMPTIA A+ Technician. | B | - | L | - | - | - | * | | 0 | | 0 | | 4 | 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281 | - | 3280, 3281 | - |
| CERT | 6201 | Certification as a COMPTIA Network+ Technician. | B | - | L | - | - | - | * | | 0 | | 0 | | 4 | 2259, 2260, 2261, 2262, 2263, 3282 | - | 3282 | - |
| CERT | 6202 | Certification as a COMPTIA Security+ Technician. | B | - | L | - | - | - | * | | 0 | | 0 | | 4 | 2264, 2265, 2266, 2267, 2268, 2269, 3283 | - | 3283 | - |
| TOTAL CERTIFICATION STAGE (CERT) | | | | | | | | | | 0 | 0 | 0 | 0 | 2 | 12.0 | | | | |
| DESIGNATIONS (DESG) | | | | | | | | | | | | | | | | | | | |
| DESG | 6303 | Designation as an Aviation Radar Chief (ARC). | B | - | L | - | - | - | * | | 0 | | 0 | 0.5 | 2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3660, 3661, 3710, 3711, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 | - | - | - | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|--|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| DESG | 6304 | Designation as an Aviation Radar Chief 63 (ARC63). | B | - | L | - | - | - | * | | 0 | | 0 | | 0.5 | 2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2354, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3580, 3581, 3582, 3583, 3584, 3660, 3661, 3710, 3711, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 | - | - | - |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|--|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|--|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| DESG | 6305 | Designation as an Aviation Radar Maintenance Chief (ARMC). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 0.5 | 2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3660, 3661, 3662, 3710, 3711, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044 | - | - | - | |
| DESG | 6320 | Designation as a Basic Instructor (BI). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 0.5 | 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2195, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 5000, 5010, 5020, 6102, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|---|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| DESG | 6321 | Designation as a Senior Instructor (SI). | B | - | L | - | - | - | * | | 0 | | 0 | | 1 | 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 | - | - | - |
| DESG | 6340 | Designation as a Maintenance Safety NCO. | B | - | L | - | - | - | * | | 0 | | 0 | | 1 | 2230, 2235, 2236 | - | - | - |
| DESG | 6341 | Designation as a Maintenance HAZMAT NCO. | B | - | L | - | - | - | * | | 0 | | 0 | | 1 | 2230, 2235, 2236 | - | - | - |
| DESG | 6342 | Designation as a Maintenance Publications NCO. | B | - | L | - | - | - | * | | 0 | | 0 | | 1 | 2230, 2234 | - | - | - |
| DESG | 6343 | Designation as a Maintenance Tools NCO. | B | - | L | - | - | - | * | | 0 | | 0 | | 1 | 2230, 2233 | - | - | - |
| DESG | 6344 | Designation as a Maintenance Calibrations NCO. | B | - | L | - | - | - | * | | 0 | | 0 | | 1 | 2230, 2231 | - | - | - |
| DESG | 6345 | Designation as a Maintenance Modifications NCO. | B | - | L | - | - | - | * | | 0 | | 0 | | 1 | 2230, 2232, 2234 | - | - | - |
| DESG | 6346 | Designation as a Maintenance Embarkation NCO. | B | - | L | - | - | - | * | | 0 | | 0 | | 1 | 2230, 2237 | - | - | - |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|---|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| DESG | 6347 | Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO. | B | - | L | - | - | - | * | | 0 | | 0 | | 1 | 2159, 2230, 2602 | - | - | - |
| DESG | 6348 | Designation as a Maintenance Training NCO. | B | - | L | - | - | - | * | | 0 | | 0 | | 1 | 2230 | - | - | - |
| DESG | 6350 | Designation as a Maintenance Quality Control (QC) NCO. | B | - | L | - | - | - | * | | 0 | | 0 | | 1 | 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 | - | - | - |
| TOTAL DESIGNATION (DESG) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 15 | 13.0 | | | | |
| SCHOOL CODES (SCHL) | | | | | | | | | | | | | | | | | | | |
| SCHL | 6020 | Link 16 Basics Course (JT-100) | B | - | G | - | - | L | * | | 0 | | 0 | | 0.0 | - | - | - | |
| SCHL | 6021 | Intro to Multi TDL Network (JT-101) | B | - | G | - | - | L | * | | 0 | | 0 | | 0.0 | - | - | - | |
| SCHL | 6022 | Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102) | B | - | G | - | - | L | * | | 0 | | 0 | | 0.0 | - | - | - | |
| SCHL | 6023 | Link 16 Joint Interoperability Course (US-109) | B | - | G | - | - | L | * | | 0 | | 0 | | 0.0 | - | - | - | |
| SCHL | 6024 | Multi TDL Planner Course (JT-201) | B | - | G | - | - | L | * | | 0 | | 0 | | 0.0 | - | - | - | |
| SCHL | 6025 | Link 16 Unit Manager (LUM) Course (JT-220) | B | - | G | - | - | L | * | | 0 | | 0 | | 0.0 | - | - | - | |
| SCHL | 6079 | JRE-GW Operators' Course | B | - | G | - | - | L | * | | 0 | | 0 | | 0.0 | - | - | - | |
| TOTAL SCHOOL CODES STAGE (SCHL) | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.0 | | | | |

| TAOC MOS 5948 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|--|-------|---|-----|---|--------|---|------|------|-------|------------------------|-------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | | | | | | | | | | CODE | TITLE | # | TIME | # | TIME | | | | |
| | TYPE | # | | | OPTION | # | TIME | | | # | TIME | # | TIME | | | | | | |
| TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD) | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 4 | 14.0 | | | | |

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5.19 ADDITIONAL MATRICES. None

5.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None

5.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,
<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

5.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None

CHAPTER 6

DATA SYSTEMS MAINTENANCE OFFICER (MOS 5970)/INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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| TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). | 6.22 | 6-98 |

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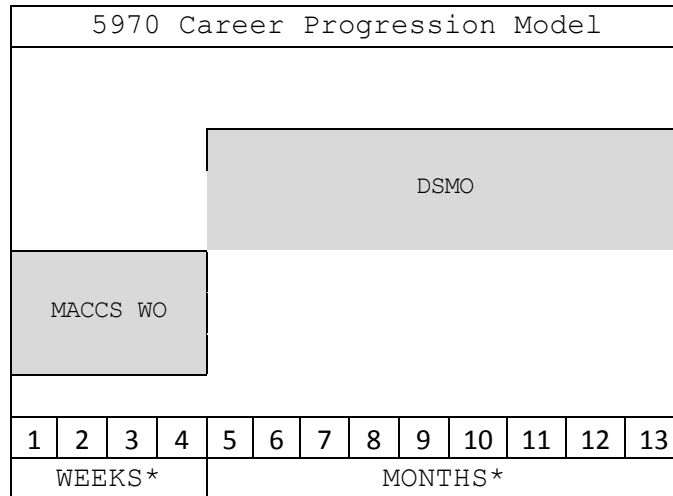
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CHAPTER 6

DATA SYSTEMS MAINTENANCE OFFICER (MOS 5970)/INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

6.0 DATA SYSTEMS MAINTENANCE OFFICER /5970 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

6.1 5970 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Aviation Communications Systems Technician crewmember. Units should use the model as a point of departure to generate individual training plans.



* Months indicated are training months, not calendar months.

6.2 ABBREVIATIONS

| | |
|---|---|
| TAOC MAINTENANCE MOS 5970 | |
| CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS | |
| CORE SKILL (2000 Phase) | |
| COMSEC | COMMUNICATION SECURITY |
| EQUIP | EQUIPMENT |
| FAM | FAMILIARIZATION |
| IAWFAT | INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN |
| IAWFNT | INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN |
| IAWFST | INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN |
| MMGT | MAINTENANCE MANAGEMENT |

| | |
|--|---|
| OMGT | OPERATIONAL MANAGEMENT |
| MISSION SKILL (3000 Phase) | |
| EWC | EARLY WARNING AND CONTROL SITE |
| EQUIP | EQUIPMENT |
| IAWFAT | INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN |
| IAWFNT | INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN |
| IAWFST | INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN |
| MMGT | MAINTENANCE MANAGEMENT |
| OMGT | OPERATIONAL MANAGEMENT |
| TAOC | TACTICAL AIR OPERATIONS CENTER |
| INSTRUCTOR (5000 Phase) | |
| BI | BASIC INSTRUCTOR |
| SI | SENIOR INSTRUCTOR |
| WTI | WEAPONS AND TACTICS INSTRUCTOR |
| CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase) | |
| ARMO | DATA SYSTEMS MAINTENANCE OFFICER |
| CAT | COMPTIA A+ TECHNICIAN |
| CNT | COMPTIA NETWORK+ TECHNICIAN |
| CST | COMPTIA SAFETY+ TECHNICIAN |

6.3 DEFINITIONS

| TERM | DEFINITION |
|---|---|
| Core Model | The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices |
| Core Skill | Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase. |
| Mission Skill | Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event(s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events. |
| Core Plus Skill | Training events that can be theater specific or that have a low likelihood of occurrence. They may be Fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events. |
| Core Plus Mission | Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events. |
| Core Skill Proficiency (CSP) | CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP. |
| Mission Skill Proficiency (MSP) | MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness. |
| Core Plus Skill Proficiency (CPSP) | CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP |

| | |
|---|---|
| Core Plus Mission Proficiency (CPMP) | CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP |
| MET Phase | This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams. |

6.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

6.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

6.4.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts towards CMMR Unit CSP requirements for that Core Skill.

6.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.

6.4.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

Note

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills while maintaining proficiency in other Core/Mission/Core Plus Skills.

6.4.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that Skill.

Note

See Chapter 2 for amplifying information on POI updating.

| TAOC MAINTENANCE MOS 5970 | | | | | |
|--|-------|---------------|------|-------------|------|
| ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI | | | | | |
| ATTAIN PROFICIENCY | | | | MAINTAIN | |
| BASIC POI | | REFRESHER POI | | PROFICIENCY | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| CORE SKILL (2000 Phase) | | | | | |
| COMSEC | 2190R | COMSEC | 2190 | COMSEC | 2190 |
| COMSEC | 2191R | COMSEC | 2191 | COMSEC | 2191 |
| COMSEC | 2192R | COMSEC | 2192 | COMSEC | 2192 |
| COMSEC | 2193R | COMSEC | 2193 | COMSEC | 2193 |

| | | | | | |
|--------|-------|--------|-------|--------|------|
| COMSEC | 2194R | COMSEC | 2194R | | |
| COMSEC | 2195R | COMSEC | 2195 | COMSEC | 2195 |
| COMSEC | 2196 | | | | |
| COMSEC | 2197 | | | | |
| COMSEC | 2198 | | | | |
| COMSEC | 2200 | | | | |
| COMSEC | 2201 | | | | |
| COMSEC | 2202 | | | | |
| COMSEC | 2203 | | | | |
| FAM | 2219 | | | | |
| FAM | 2220 | | | | |
| FAM | 2221 | | | | |
| FAM | 2222 | | | | |
| FAM | 2223 | | | | |
| IWFAT | 2250 | | | | |
| IWFAT | 2251 | | | | |
| IWFAT | 2252 | | | | |
| IWFAT | 2253 | | | | |
| IWFAT | 2254 | | | | |
| IWFAT | 2255 | | | | |
| IWFAT | 2256 | | | | |
| IWFAT | 2257 | | | | |
| IWFAT | 2258 | | | | |
| IWFNT | 2259 | | | | |
| IWFNT | 2260 | | | | |
| IWFNT | 2261 | | | | |
| IWFNT | 2262 | | | | |
| IWFNT | 2263 | | | | |
| IWFST | 2264 | | | | |
| IWFST | 2265 | | | | |
| IWFST | 2266 | | | | |
| IWFST | 2267 | | | | |
| IWFST | 2268 | | | | |
| IWFST | 2269 | | | | |
| EQUIP | 2436 | | | | |
| EQUIP | 2437 | | | | |
| EQUIP | 2438 | | | | |
| MMGT | 2615 | | | | |
| MMGT | 2616 | | | | |
| MMGT | 2617 | | | | |
| MMGT | 2618 | | | | |

| | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|
| MMGT | 2619 | | | | |
| MMGT | 2620 | | | | |
| MMGT | 2621 | | | | |
| MMGT | 2622 | | | | |
| MMGT | 2623 | | | | |
| MMGT | 2624 | | | | |
| MMGT | 2650R | MMGT | 2650R | MMGT | 2650R |
| OMGT | 2695 | | | | |
| OMGT | 2696 | | | | |
| OMGT | 2697 | | | | |
| OMGT | 2698 | | | | |
| OMGT | 2699 | | | | |
| OMGT | 2700 | | | | |
| OMGT | 2701 | | | | |
| MISSION SKILL (3000 Phase) | | | | | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| IAWFAT | IAWFAT-3280R | IAWFAT | IAWFAT-3280R | IAWFAT | IAWFAT-3280R |
| | IAWFAT-3281R | | IAWFAT-3281R | | IAWFAT-3281R |
| IAWFNT | IAWFNT-3282R | IAWFNT | IAWFNT-3282R | IAWFNT | IAWFNT-3282R |
| IAWFST | IAWFST-3283R | IAWFST | IAWFST-3283R | IAWFST | IAWFST-3283R |
| EQUIP | EQUIP-3454R | EQUIP | EQUIP-3450R | EQUIP | EQUIP-3450R |
| OMGT | OMGT-3716 | OMGT | | OMGT | |
| | OMGT-3718R | | OMGT-3718R | | OMGT-3718R |
| MISSION SKILL (3000 Phase) | | | | | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| EQUIP | 4455 | EQUIP | | EQUIP | |
| | 4456 | | | | |
| | 4457 | | | | |
| | 4458 | | | | |
| | 4459 | | | | |
| | 4460 | | | | |
| "S" PREFIX AND BLUE FONT = SIMULATOR EVENT | | | | | |
| "R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT | | | | | |

6.5 REQUIREMENT, CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency for select certifications, qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed

in training Performance Records and NATOPS. See Chapter 6 of the Aviation T&R Program Manual on regaining lost qualifications.

6.5.1 INSTRUCTOR DESIGNATIONS

| TAOC MAINTENANCE MOS 5970 INSTRUCTOR DESIGNATIONS (5000 Phase) | |
|---|--|
| INSTRUCTOR DESIGNATION | EVENTS |
| BASIC INSTRUCTOR (BI) | 5000, 5010, 5020 |
| SENIOR INSTRUCTOR (SI) | 5000, 5010, 5020, 5100, 5110, 5120, 5130 |
| WEAPONS AND TACTICS INSTRUCTOR (WTI) | 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 6000, 6306, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044 |

6.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

| TAOC MAINTENANCE MOS 5970 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase) | |
|---|--|
| RCQD | EVENTS |
| COMPTIA A+ Technician (CAT) (CERT-6200) | 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281 |
| COMPTIA NETWORK+ Technician (CNT) (CERT-6201) | 2259, 2260, 2261, 2262, 2263, 3282 |
| COMPTIA SECURITY+ Technician (CST) (CERT-6202) | 2264, 2265, 2266, 2267, 2268, 2269, 3283 |
| DATA SYSTEMS MAINTENANCE OFFICER (DSMO) (DESG-6306) | 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044 |

6.6 5910 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

6.6.1 Basic POI

| TAOC MAINTENANCE 5970 BASIC POI | | |
|--|----------------------------------|-------------------------|
| WEEKS¹ | PHASE OF INSTRUCTION | UNIT RESPONSIBLE |
| 0-4 | CORE SKILL INTRODUCTION TRAINING | MCCES |
| 5-10 | CORE SKILL TRAINING | TACTICAL SQUADRON |
| 11-15 | MISSION SKILL TRAINING | TACTICAL SQUADRON |

6.6.2 Refresher POI

| TAOC MAINTENANCE MOS 5970 | | |
|---------------------------|------------------------|-------------------|
| REFRESHER POI | | |
| WEEKS ¹ | PHASE OF INSTRUCTION | UNIT RESPONSIBLE |
| VARIES | CORE SKILL TRAINING | TACTICAL SQUADRON |
| VARIES | MISSION SKILL TRAINING | TACTICAL SQUADRON |
| VARIES | CORE PLUS | TACTICAL SQUADRON |

NOTE 1: TRAINING DURATIONS VARIES BY POSITION BEING TRAINED. SEE PROGRESSION MODEL FOR NOTIONAL TRAINING TIMES.

6.7 SYLLABUS NOTES

6.7.1 Environmental Conditions Matrix

| Environmental Conditions | |
|---|---|
| Code | Meaning |
| D | Shall be conducted during hours of daylight: (by exception - there is no use of a symbol) |
| N | Shall be conducted during hours of darkness, may be aided or unaided |
| N* | Shall be conducted during hours of darkness must be unaided |
| (N*) | May be conducted during hours of darkness - If conducted during hours of darkness must be unaided |
| (N) | May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided |
| NS | Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices |
| (NS) | May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices |
| Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event. | |

6.7.2 Device Matrix

| DEVICE | |
|--------|---|
| Symbol | Meaning |
| L | Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event. |
| L/S | Event performed live preferred/simulator optional. |
| S/L | Event performed in simulator preferred/live optional. |
| G | Ground/academic training. May include Distance Learning, CBT, lectures, self paced. |
| CBT | Computer Based Training |
| LAB | Laboratory |
| LEC | Lecture |
| CP | Command Post |
| TEN | Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station. |

| | |
|--|---|
| TEN+ | Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement. |
| Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event. | |

6.7.3 Program of Instruction Matrix

| PROGRAM OF INSTRUCTION MATRIX | | |
|-------------------------------|----------|---|
| Program of Instruction (POI) | Symbol | Aviation Ground |
| Basic | B | Initial MOS Training |
| Refresher | R | Return to community from non (MOS/Skill) associated tour |
| Maintain | M | All individuals who have attained CSP/MSP/CPD by initial POI assignment are re-assigned to the M POI to maintain proficiency. |

6.7.4 Event Terms

| EVENT TERMS | |
|-------------|--|
| TERM | DESCRIPTION |
| Discuss | An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures. |
| Demonstrate | The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event. |
| Introduce | The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for knowledge of the procedures. |
| Practice | The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance. |
| Review | Demonstrated proficiency of an event by the student. |
| Evaluate | Any event designed to evaluate team/crew standardization that does not fit another category. |
| E-Coded | This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.) |

6.8 ACADEMIC PHASE (0000)

6.8.1 Purpose. **RESERVED FOR FUTURE USE**

6.8.2 General

6.8.2.1 Admin Notes.

6.8.2.2 Prerequisites.

6.8.2.3 Stages.

6.9 CORE SKILL INTRODUCTION PHASE (1000)

6.9.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5970 Data Systems Maintenance Officer. This

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2
2. MCWP 3-25.4

AIRS-1002 * B E G

Goal. Conduct an inspection of maintenance functional areas.

Requirement. Given required references and a current inspection checklist, demonstrate the procedures for inspecting the following functional areas:

1. State the purpose for inspecting the functional areas.
2. Identify and review the references for each functional area and obtain applicable and current inspection lists for all.
3. Conduct an inspection of all areas to familiarize the trainee with the specifics of each.
 - a. Calibration Control Program.
 - b. Publication Control Program.
 - c. Quality Assurance Program.
 - d. Preventive Maintenance Program.
 - e. Modification Control Program.
 - f. Tool Control Program.
 - g. MIMMS.
 - h. Training Program.
 - i. Records.
 - j. Safety Program.
 - k. Corrosion Prevention and Control CPAC.
4. Explain the inspection procedures.
 - a. Schedule the inspection.
 - b. Inform functional area manager.
 - c. Turn over folders are IAW the references.
 - d. Submit an executive summary at the conclusion of the inspection.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2_ MCO P4400.82_

- f. LM2 report.
 - g. Loaded unit balance file (LUBF).
 - h. Due and status file (DASF).
 - i. Equipment Record Order (ERO) NAVMC 10425.
 - j. Equipment Record Order Supply Listing (EROSL) NAVMC 10925.
 - k. Inspection repair tag (NAVMC 1018).
 - l. Layette bin.
2. Identify the type of information contained in each of the forms listed above.
 3. Identify the status of a parts requisition.
 4. Identify proper use of UMMIPS priorities.
 5. State item requisition priorities.
 6. State any errors found within each of the forms listed above.
 7. Reconcile all items listed above and list all errors found in each form.
 8. Explain how to maintain a layette bin.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MCBUL 3000_
3. NAVMC 10425
4. NAVMC 10925
5. UM 4790-5
6. MCO P4400.16
7. TM 4700.15/1_

AIRS-1005 * B E G

Goal. Identify the services provided by Marine Wing Communications Squadron.

Requirement. Given the references, describe the following services:

1. Single Channel Radio Communications.
2. Wide Area Networks (WAN) / Local Area Networks (LAN) Communications.
3. Electronic Message Communications.
4. Telephone Communications.
5. Digital Backbone.
6. Communications Control.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-40.3 MAGTF communications system
2. MCWP 3-25 Control of Aircraft and Missiles

AIRS-1006 * B E G

Goal. Identify Information Assurance requirements for tactical employment of information systems.

Requirement. Given the reference, perform the following:

1. Identify the Accreditation package requirements.
2. Explain the purpose of the Authority to Operate (ATO).
3. Explain configuration management and its relationship to IA.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD Directive 5200.28
2. DOD Directive 5200.40
3. MCO P5239.1B

AIRS-1007 * B E G

Goal. Identify TAOC and EW/C communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

AIRS-1008 * B E G

Goal. Identify TACC Communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

AIRS-1009 * B E G

Goal. Identify DASC communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40
2. MCO 2400.2

AIRS-1012 * B E G

Goal. Identify the embarkation requirements for the major end items of the TACC, DASC, TAOC, and EW/C.

Requirement. Given the reference, list:

1. Hazardous Material requirements.
2. Security requirements.
3. Material Handling Equipment requirements.
4. Equipment specific transportation requirements.
5. Identify MAGTF Deployment Support System II (MDSS II) elements.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4030.33
2. MCRP 4-11

AIRS-1013 * B E G

Goal. Identify LAAD Communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

AIRS-1014 * B E G

Goal. Identify MATC communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

AIRS-1015 * B E G

Goal. Identify UAS Communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.

validate the induction of new equipment into service.

1. Review the Users Logistics Support Summary (ULSS) or Material Fielding Plan (MFP).
2. Validate new equipment is properly placed into service.
 - a. Ensure record jacket was created with proper documentation IAW the reference.
 - b. Ensure initial SL-3 was performed.
 - c. Ensure an initial LTI was performed.
 - d. Ensure induction of new equipment into calibration cycle a required.
 - e. Ensure equipment is accounted for within EKMS as required.
 - f. Ensure the equipment and proper documentation was sent to Supply.
 - g. Ensure supply received the proper documentation to add equipment to the CMR.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Supply Instructions (SI)
2. ULSS
3. Equipment SL-3
4. Initial Issuing Provision Inventories
5. MCO 5311.1
6. MCO P4400.82
7. UM 4400.124

AIRS-1018 * B E G

Goal. Demonstrate the process to phase out obsolete equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, demonstrate and validate phase out of obsolete equipment, to include at minimum:

1. Review the POP and applicable references.
2. State the purpose of:
 - a. Recoverable Items Report (WIR).
 - b. WIR Online Process Handler program (WOLPH).
 - c. Material Returns (MTR) program.
3. Validate obsolete equipment was disposed of properly by ensuring the following:
 - a. Ensure a final LTI was performed.
 - b. Ensure a final SL-3 was performed.
 - c. Ensure a Recoverable Items Report (WIR) - request for

disposition - was submitted using the WOLPH.

d. Ensure equipment was disposed of IAW instructions in Phase out plan.

e. Ensure the record jackets were completed and accompanied equipment.

f. Ensure the equipment and proper documentation was sent to Supply for turn-in.

g. Ensure supply received the proper documentation to remove equipment from the CMR.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Supply Instructions (SI)
2. Equipment SL-3
3. Initial Issuing Provision Inventories
4. MCO 5311.1C
5. MCO P4400.82
6. UM 4400.124

AIRS-1019 * B E G

Goal. Identify maintenance funding requirements.

Requirement. Given a scenario, equipment maintenance history and anticipated maintenance shortfalls, propose funding allocations for maintenance activities to create a maintenance budget.

1. Identify and prioritize funding requirements.
2. Provide a maintenance funding request based on requirement and prior year utilization.
3. Provide an anticipated maintenance funding request based on the unit's TEEP.
4. Submit a budget request to the instructor for validation.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150_
2. MCO P7100.8_

AIRS-1020 * B E G

Goal. Identify the SECREP management process.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review and provide recommendations for organizational Critical Low Density SECREP (CLD) assets and required on-hand quantities:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2_
2. MCO P4400.150_
3. FEDLOG
4. MCO P4400.82F,
5. MCO P4400.151B
(ADD REFTS)

AIRS-1021 * B E G

Goal. Identify DOD Information Assurance Workforce structure.

Requirement. Given the reference, identify:

1. The IA categories.
2. Requirements for IA categories.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.01-M

AIRS-1022 * B E G

Goal. Access published information within TFSMS.

Requirement. Given access to TFSMS, complete the following:

1. Access unit TO/E.
2. Access standard reports.
3. Create custom reports.
4. Manage custom reports.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. URL <https://tfsms.mccdc.usmc.mil>
2. MCO 5311.1_

AIRS-1023 * B E G

Goal. Describe readiness ratings within DRRS-MC.

Requirement. IAW the reference, describe the following:

1. Describe P-rating.
2. Describe S-rating.
3. Describe R-rating.
4. Describe T-rating.
5. Describe C-level assessment.
6. Identify how the Commander will assess their METs.
 - a. Yes.
 - b. Qualified Yes.
 - c. No.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 3500.14C
2. MCO 3000.13 MARINE CORPS READINESS REPORTING STANDARD OPERATING PROCEDURES (SOP)

AIRS-1024 * B E G

Goal. Explain the product quality deficiency report (PQDR).

Requirement. Given the reference, an item of equipment or a scenario, identify the following:

1. Purpose of the PQDR.
2. Criteria under which a PQDR should be submitted.
3. Information required for submitting a PQDR.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. UM-4400-124
3. MCO 4855.10B PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
4. SECNAVINST 4855.5_, Product Quality Deficiency Report Program)
5. <http://www.logcom.usmc.mil/pqdr/files/PQDR%20Users%20Guide.pdf>

AIRS-1025 * B E G

Goal. Identify major funding lines.

Requirement. Given the references, identify major funding lines:

1. Operation & Maintenance (O&M) Funds.
 - a. Planning Estimate (PE).

External Syllabus Support. None.

Reference.

1. MCO P4400.150E W/ERRATUM CH 1-2
2. CMR
3. MMO SOP

6.10 CORE SKILL TRAINING (2000)

6.10.1 Purpose. To develop core skill proficiency for 5910 personnel to be able to perform duties while assigned as the DMO.

6.10.2 General.

6.10.2.1 Prerequisite.

6.10.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in the mission skill and core plus phases provided applicable prerequisites have been met.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

6.10.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

| PAR NO. | STAGE NAME |
|---------|--|
| 6.10.3 | COMMUNICATION SECURITY (COMSEC) |
| 6.10.4 | FAMILIARIZATION (FAM) |
| 6.10.5 | INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) |
| 6.10.6 | INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) |
| 6.10.7 | INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) |
| 6.10.8 | EQUIPMENT (EQUIP) |
| 6.10.9 | MAINTENANCE MANAGEMENT (MMGT) |
| 6.10.10 | OPERATIONAL MANAGEMENT (OMGT) |

6.10.3 COMMUNICATION SECURITY (COMSEC) STAGE

6.10.3.1 Purpose. To teach the trainee safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout. Additionally, trainee learns to identify and load CCI devices.

6.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2190 2.0 365 B, R, M _____ L

Goal. Describe proper handling and storage of classified materials.

Requirement. Perform the following:

1. State the different levels of classification.
2. State the marking requirements for each level of classification.
3. State the Two-Person Integrity (TPI) rule.
4. State storage procedures for each level of classification.
5. Identify transportation requirements for classified material.
6. State the sections of the SF-702.
7. Identify the approved security containers utilized for storage.
8. Identify the procedures for handling Controlled Cryptographic Items (CCIs).

Performance Standard. With the aid of reference, state the above requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5510.18_
2. EKMS-1_
3. SECNAVINST 5510.36
4. UNIT SOP

COMSEC-2191 2.0 365 B, R, M _____ L

Goal. State the physical security requirements for classified areas.

Requirement. Given a tactical scenario and references, identify the following:

1. Purpose of a guard schedule.
2. Purpose of access control.
3. Purpose of the entry control point.
4. Perimeter barrier requirements.

Performance Standard. With the aid of reference, pass an exam without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34_

COMSEC-2192 2.0 365 B, R, M L

Goal. Create a classified area physical security diagram.

Requirement. Given a tactical scenario and references, create a diagram that includes the following:

1. Entry control point(s).
2. Perimeter barrier.
3. Communication lines.

Performance Standard. With the aid of reference, draw a diagram depicting the information listed in the requirement without error; instructor will validate that the diagram supports the scenario. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2191

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34_

COMSEC-2193 2.0 365 B, R, M L

Goal. Conduct classified material inventory.

Requirement. During a crew change over, perform the following:

1. Conduct classified material inventory.
2. Conduct EKMS inventory.
3. Destroy superseded key materials.

Performance Standard. With the aid of reference, conduct the requirements without discrepancy.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. 5530

COMSEC-2194 2.0 * B, R L

Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references, perform the following:

1. State the purpose of the EKMS COMSEC callout.
2. Identify the five main pieces of key information:
 - a. Short Title.
 - b. Edition.
 - c. Segment.
 - d. Classification.
 - e. Supersession date.
3. Identify segment roll over dates and time.

Performance Standard. With the aid of reference, state the purpose and identify the key information on the callout without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1
2. MCWP 3-40.3

COMSEC-2195 2.0 365 B, R, M L

Goal. Utilize a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device, perform the following:

1. Describe the purpose of common fill device.
2. Define the common fill device loading procedure.
3. Configure the common fill device.
4. Identify common fill device indicators and messages.
5. Transfer key material to Controlled Cryptographic Item (CCI) equipment.
6. Transfer cryptographic information from common fill device to common fill device.
7. Destroy superseded keying material within the cryptographic fill device.

Performance Standard. With the aid of reference, load keying material into appropriate COMSEC equipment using a fill device and destroy superseded keying material without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_

COMSEC-2196 2.0 * B L

Goal. Ensure CMCC handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify classified material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify classified material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SECNAV 5510.36_
2. MCO 5510.18_
3. UNIT SOP
4. EKMS-1_

COMSEC-2197 2.0 * B L

Goal. Ensure EKMS material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify EKMS material is stored IAW the reference.
2. Verify proper destruction of material IAW the reference.
3. Verify EKMS material is transported IAW the reference.

Performance Standard. With the aid of reference, validate EKMS material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_
2. UNIT SOP

COMSEC-2198 1.0 * B L

Goal. Ensure CCI material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify CCI material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify CCI material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_
2. UNIT SOP

COMSEC-2200 4.0 * B L

Goal. Validate physical security of classified areas.

Requirement. Given a scenario and references, validate physical security requirements of classified areas. Validate the following:

1. Guard schedule.
2. Entry control point.
3. Access Roster.
4. Perimeter.
5. Physical security diagram.

Performance Standard. With the aid of reference, complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2191, 2192

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34_

COMSEC-2201 4.0 * B L

Goal. Verify the proper use of a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device:

1. Describe the purpose of common fill device.
2. Describe a common fill device loading procedure.
3. Verify the configuration the common fill device.
4. Identify common fill device indicators and messages.
5. Verify the transfer of key material to Controlled Cryptographic Item (CCI) equipment.

Performance Standard. With the aid of reference, complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2190, 2195

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. SKL
3. Applicable TM for CCI

COMSEC-2202 4.0 * B L

Goal. Identify organic Cryptographic Controlled Item (CCI) devices organic to the section.

Requirement. Perform the Following:

1. Inventory all CCI on the SF-153.
2. State the purpose of each piece of equipment.

Performance Standard. Without the aid of references, physically identify the above items and describe the use for each without error. This must be completed with 100% accuracy.

Instructor. BI, SI

Prerequisite. 2190, 2193

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 2000-OD/2C Characteristics of US Marine Corps C&E Equipment
2. Fill device user's manual

COMSEC-2203 4.0 * B L

Goal. Identify equipment classification requirements.

Requirement. Given the references, identify the classification level of the following:

1. Hardware.
2. Software.
3. Technical manuals.

Performance Standard. Without the aid of reference, complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit T/E, Unit SOP

6.10.4 FAMILIARIZATION (FAM) STAGE

6.10.4.1 Purpose. To familiarize the trainee on non-MOS equipment.

6.10.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

FAM-2219 1.0 * B L

Goal. Familiarization with LRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the LRR.
2. Describe the major components of the LRR.
3. Describe the characteristics of the LRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

FAM-2220 1.0 * B L

Goal. Familiarization with MRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the MRR.
2. Describe the major components of the MRR.
3. Describe the characteristics of the MRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description

FAM-2221 1.0 * B L

Goal. Describe the Identification Friend or Foe (IFF) MK XII interrogator system.

Requirement. Given the reference:

1. Describe the purpose of the MK VII IFF system.
2. Describe the major components of the AN/UPX-37 Interrogator system.
3. Describe the characteristics of the AN/UPX-37 Interrogator System.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. UM 2005

FAM-2222 1.0 * B L

Goal. Describe TACLAN.

Requirement. Given the references, perform the following:

1. Describe the purpose of the KG-175 TACLAN.
2. State the purpose of the KG-175 TACLAN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

FAM-2223 1.0 * B L

Goal. Identify the major components of the Composite Tracking Network (CTN).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the Cooperative Engagement Capability.
2. Describe the characteristics of the antenna.
3. Describe the characteristics of the AN/USG-4A.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operational Tasking Cooperative Engagement Capability (OPTASKCEC)
2. TM 11406A-OR/2 Command System Tactical AN/MSQ-143
3. TM 11406A-ORG Command System Tactical AN/MSQ-143
4. TM 11406A-OI AN/USG-4A Composite Tracking Network
5. TM 08611B/10987A/11406A-OR/1 Telescopic Mast Family
6. TM 08611B/10987A/11406A-OR/2 Erection Instructions CSA Fanlite
7. TM 08611B/10987A/11406A-OR/3 Appendix G CSA Fanlite

6.10.5 INFORMATION ASSURANCE WORK FORCE A+ (IAWFAT) STAGE

6.10.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-2250 4.0 * B E L

Goal. Explain PC hardware.

Requirement. Without the aid of references, perform the following:

1. Explain and apply BIOS settings.
2. Differentiate between motherboard components, their purposes, and properties.
3. Compare RAM types and features.
4. Explain the installation and configuration of expansion cards.
5. Explain installation and configuration of storage devices and appropriate media.
6. Differentiate among various CPU types and features and select the appropriate cooling method.
7. Compare various connection interfaces and explain their purpose.
8. Identify the appropriate power supply based on a given scenario.
9. Evaluate and select appropriate components for a custom configuration, to meet customer specifications or needs.
10. Given a scenario, evaluate types and features of display devices.
11. Identify connector types and associated cables.
12. Explain the installation and configuration of various peripheral devices.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2251 4.0 * B E L

Goal. Explain networking concepts.

Requirement. Without the aid of references, perform the following:

1. Identify types of network cables and connectors.
2. Categorize characteristics of connectors and cabling.
3. Explain properties and characteristics of TCP/IP.
4. Explain common TCP and UDP ports, protocols, and their purpose.
5. Compare wireless networking standards and encryption types.
6. Install, configure, and deploy a SOHO wireless/wired router using appropriate settings.
7. Compare Internet connection types and features.
8. Identify various types of networks.
9. Compare network devices their functions and features.
10. Given a scenario, use appropriate networking tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2252 4.0 * B E L

Goal. Explain laptop features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Install and configure laptop hardware and components.
2. Compare the components within the display of a laptop.
3. Explain the differences between the various printer types and summarize the associated imaging process.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2253 4.0 * B E L

Goal. Explain printer features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Explain the differences between the various printer types and summarize the associated imaging process.
2. Given a scenario, install, and configure printers.
3. Given a scenario, perform printer maintenance.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2254 4.0 * B E L

Goal. Explain operational procedures.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, use appropriate safety procedures.
2. Explain environmental impacts and the purpose of environmental controls.
3. Given a scenario, demonstrate proper communication and professionalism.

4. Explain the fundamentals of dealing with prohibited content/activity.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2255 4.0 * B E L

Goal. Explain operating systems.

Requirement. Without the aid of references, perform the following:

1. Compare the features and requirements of various Microsoft Operating Systems.
2. Given a scenario, install, and configure the operating system using the most appropriate method.
3. Given a scenario, use appropriate command line tools.
4. Given a scenario, use appropriate operating system features and tools.
5. Given a scenario, use Control Panel utilities (the items are organized by "classic view/large icons" in Windows).
6. Setup and configure Windows networking on a client/desktop.
7. Perform preventive maintenance procedures using appropriate tools.
8. Explain the differences among basic OS security settings.
9. Explain the basics of client-side virtualization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2256 4.0 * B E L

Goal. Explain security.

Requirement. Without the aid of references, perform the following:

1. Apply and use common prevention methods.
2. Explain the implementation of security best practices to secure a workstation.
3. Given a scenario, use the appropriate data destruction/disposal method.
4. Given a scenario, secure a SOHO wireless network.
5. Given a scenario, secure a SOHO wired network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2257 4.0 * B E L

Goal. Explain Mobile Devices.

Requirement. Without the aid of references, perform the following:

1. Explain the basic features of mobile operating systems.
2. Establish basic network connectivity and configure email.
3. Compare methods for securing mobile devices.
4. Compare hardware differences in regards to tablets and laptops.
5. Execute and configure mobile device synchronization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2258 4.0 * B E L

Goal. Explain Troubleshooting.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, explain the troubleshooting theory.
2. Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.
3. Given a scenario, troubleshoot hard drives and RAID arrays with appropriate tools.
4. Given a scenario, troubleshoot common video and display issues.
5. Given a scenario, troubleshoot wired and wireless networks with appropriate tools.
6. Given a scenario, troubleshoot operating system problems with appropriate tools.
7. Given a scenario, troubleshoot common security issues with appropriate tools and best practices.
8. Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.
9. Given a scenario, troubleshoot printers with appropriate tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

6.10.6 INFORMATION ASSURANCE WORK FORCE NETWORK+ (IAWFNT) STAGE

6.10.6.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.10.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-2259 4.0 * B E L

Goal. Explain Networking Concepts.

Requirement. Without the aid of references, perform the following:

1. Compare the layers of the OSI and TCP/IP models.
2. Classify how applications, devices, and protocols relate to the OSI model layers.
3. Explain the purpose and properties of IP addressing.
4. Explain the purpose and properties of routing and switching.
5. Identify common TCP and UDP default ports.
6. Explain the function of common networking protocols.
7. Summarize DNS concepts and its components.
8. Given a scenario, implement the following network troubleshooting methodology.
9. Identify virtual network components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2260 4.0 * B E L

Goal. Explain Network Installation and Configuration.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, install and configure routers and switches.
2. Given a scenario, install and configure a wireless network.
3. Explain the purpose and properties of DHCP.
4. Given a scenario, troubleshoot common wireless problems.
5. Given a scenario, troubleshoot common router and switch problems.
6. Given a set of requirements, plan and implement a basic SOHO network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2261 4.0 * B E L

Goal. Explain Network Media and Topologies.

Requirement. Without the aid of references, perform the following:

1. Categorize standard media types and associated properties.
2. Categorize standard connector types based on network media.
3. Compare different wireless standards.
4. Categorize WAN technology types and properties.
5. Describe different network topologies.
6. Given a scenario, troubleshoot common physical connectivity problems.
7. Compare different LAN technologies.
8. Identify components of wiring distribution.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2262 4.0 * B E L

Goal. Explain Network Management.

Requirement. Without the aid of references, perform the following:

1. Explain the purpose and features of various network appliances.
2. Given a scenario, use appropriate hardware tools to troubleshoot connectivity issues.
3. Given a scenario, use appropriate software tools to troubleshoot connectivity issues.
4. Given a scenario, use the appropriate network monitoring resource to analyze traffic.

5. Explain the purpose of configuration management documentation.
6. Explain different methods and rationales for network performance optimization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2263 4.0 * B E L

Goal. Explain Network Security.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, implement appropriate wireless security measures.
2. Explain the methods of network access security.
3. Explain methods of user authentication.
4. Explain common threats, vulnerabilities, and mitigation techniques.
5. Given a scenario, install and configure a basic firewall.
6. Categorize different types of network security appliances and methods.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

6.10.7 INFORMATION ASSURANCE WORK FORCE SECURITY+ (IAWFST) STAGE

6.10.7.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.10.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-2264 4.0 * B E L

Goal. Explain Network Security.

Requirement. Without the aid of reference, perform the following:

1. Explain the security function and purpose of network devices and technologies.
2. Describe the implementation of secure network administration principles.
3. Describe between network design elements and components.
4. Describe the use common protocols.
5. Identify commonly used default network ports.
6. Describe the implementation of a wireless network in a secure manner.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2265 4.0 * B E L

Goal. Explain Operational Security.

Requirement. Without the aid of reference, perform the following:

1. Explain risk related concepts.
2. Explain appropriate risk mitigation strategies.
3. Explain appropriate incident response procedures.
4. Explain the importance of security related awareness and training.
5. Compare aspects of business continuity.
6. Explain the impact and proper use of environmental controls.
7. Execute disaster recovery plans and procedures.
8. Explain the concepts of confidentiality, integrity and availability

(CIA).

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2266 4.0 * B E L

Goal. Explain threats and vulnerabilities.

Requirement. Without the aid of reference, perform the following:

1. Explain the types of malware.
2. Explain types of attacks.
3. Explain types of social engineering attacks.
4. Explain types of wireless attacks.
5. Explain types of application attacks.
6. Explain types of mitigation and deterrent techniques.
7. Explain assessment tools and techniques to discover security threats and vulnerabilities.
8. Within the realm of vulnerability assessments, explain the proper use of penetration testing versus vulnerability scanning.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2267 4.0 * B E L

Goal. Explain cryptography.

Requirement. Without the aid of reference, perform the following:

1. Summarize general cryptography concepts.
2. Explain the appropriate cryptographic tools and products.
3. Explain the core concepts of public key infrastructure.
4. Explain the Implementation of PKI, certificate management and associated components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2268 4.0 * B E L

Goal. Explain access control and identity management.

Requirement. Without the aid of reference, perform the following:

1. Explain the function and purpose of authentication services.
2. Explain the fundamental concepts and best practices related to authentication, authorization and access control.
3. Explain the Implementation of appropriate security controls when performing account management.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2269 4.0 * B E L

Goal. Explain application, data and host security.

Requirement. Without the aid of reference, perform the following:

1. Explain the importance of application security.
2. Explain the appropriate procedures to establish host security.
3. Explain the importance of data security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

6.10.8 EQUIPMENT (EQUIP) STAGE

6.10.8.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-2436 4.0 * B L

Goal. Review system troubleshooting on the TDS equipment within the TAOC.

Requirement. Given the references, a core capable crew, appropriate tools, TMDE, and a command and control system; complete the follow for each systems below:

1. Monitor the operational checks and alignments of each system as required.
2. Identify and review symptoms of a fault within each system.
3. Review the fault to the line replaceable unit within each system.

-MTAOM
-CTN
-CAC2S

Performance Standard. Perform the requirement to a proficient level

(correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual
2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
3. TM 10446B-OI SAAWF Operations and Maintenance Instructions
4. TM 10200A-OI/1 ADCP Maintenance Manual
5. TO 31S5-2TYQ123-8-1 JRE Operations and Maintenance Instructions

EQUIP-2437 4.0 * B L

Goal. Verify system configuration of tactical data systems within the TAOC.

Requirement. Given the references, an emplaced system, and a core capable crew, verify equipment configuration and direct operational assessment within the system to include the following:

1. Operations of the MTAOM.
 - a. Voice Communications Equipment.
 - b. Digital Communications Equipment.
 - c. Data Processing Equipment.
 - d. Operator Interface Equipment.
2. Operation of the CAC2S
3. Operations of the CTN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual

2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
3. TM 10446B-OI SAAWF Operations and Maintenance Instructions
4. TM 10200A-OI/1 ADCP Maintenance Manual
5. TM 11399A-OI/1 JRE Operations and Maintenance Instructions

EQUIP-2438 4.0 * B _____ L

Goal. Plan for deployment of Tactical Data Systems.

Requirement. Complete the following events:

1. Establish an accurate equipment density list.
2. Establish an accurate packing list.
3. Establish an accurate T/O list.
4. Coordinate proper heavy lifting support.
5. Establish an accurate bill of materials list.
6. Coordinate COMSEC support.
7. Identify communication requirement.
9. Establish an accurate SECREP list required for deployment.
10. Identify a key contacts list for intra squadron section.
11. Identify and request fuel requirements.
12. Identify and request power requirements.
13. Coordinate with MMO for proper procurement procedures during deployment.
14. Identify and request environmental condition unit requirements.
15. Identify and request appropriate transportation requirements.
16. Identify facility requirements.
17. Obtain letter of instruction for deployment.
18. Inspect gear required on the gear list for individual Marines for deployment.
19. Familiarize the Marines with emergency action plan for deployment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Group/Squadron/Shop Standard Operating Procedures

6.10.9 MAINTENANCE MANAGEMENT (MMGT) STAGE

6.10.9.1 Purpose. To train the trainee on the basic skills necessary to perform as a member of a maintenance shop.

6.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2615 6.0 * B L

Goal. Identify the requirements for a Pre-extended Bin (PEB).

Requirement. Given the references, end item or scenario, identify and provide the following:

1. Describe the purpose of the PEB.
2. Identify PEB constraints; cost and consumption.
3. Describe proper accountability and usage of PEB material.
4. Provide an authorization request and inventory of PEB material.
5. Describe actions required within Global Combat Support System-Marine Corps (GCSS-MC).

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C W/CH. 1-2
2. MCO P4400.150E W/ERRATUM CH 1-2
3. MCBUL 3000 (Current FY)
4. Planner 101 course
5. https://gcssmc-sso.csd.disa.mil/gcssmc_portal/training.html

MMGT-2616 6.0 * B L

Goal. Ensure the corrective maintenance repair process is being conducted.

Requirement. Ensure the timely performance of all corrective maintenance actions per the references.

1. Verify the induction process:
 - a. Confirm SL-3 accountability.
 - b. Ensure visual inspection occurs.

- c. Verify record jacket.
- d. Verify proper organizational PM.
2. Ensure correctness of Service Request (SR) and NAVMC 1018.
3. Determine availability of resources.
4. Ensure proper troubleshooting of faulty item.
5. Ensure repair parts are ordered and correctness of SR.
6. Ensure faulty item is repaired to code A status.
7. Ensure safety measures are adhered to during repair process.
8. Conduct quality control procedures:
 - a. Review quality control procedures.
 - b. Verify quality control inspectors based on individual qualifications on equipment are assigned in writing.
9. Verification of MI and TI.
10. Verify proper closeout of SR.
11. Ensure equipment record jacket is updated.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C
2. TM-4700-15/1_
3. UM-4790.5
4. MCO P4400.16G
5. MCBUL 3000
6. Associated Equipment TM

MMGT-2617 6.0 * B L

Goal. Identify Critical Low Density SECREP assets and required on-hand quantities.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review them and provide recommendations for organizational Critical Low Density SECREP assets and required on-hand quantities. Write a "justify non-demand supported secrep allowances" letter as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2C w/ch.1-2
2. MCO P4400.150E W/ERRATUM CH 1-2
3. FEDLOG
4. Reference is MCO P440.151B

MMGT-2618 6.0 * B L

Goal. Develop a maintenance section budget.

Requirement. Utilizing equipment maintenance history and forecasting anticipated maintenance shortfalls, propose funding allocations for maintenance activities.

1. Provide maintenance funding request based on current requirements while considering prior year utilization history.
 - a. Preventive Maintenance.
 - b. Corrective Maintenance.
2. Draft an anticipated maintenance funding request based on the unit's TEEP to support.
 - a. Personnel travel requirements.
 - b. Administrative support requirements (SERVMART).
3. Submit funding request with justification.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150_
2. MCO P7100.8_

MMGT-2619 6.0 * B L

Goal. State the process to submit a Table of organization and

equipment (TO&E) Change Request (TOECR).

Requirement. Given a scenario and applicable references:

1. Pull TO&E via the Total Force Structure Management System (TFSMS).
2. Validate the requirement for change.
3. Complete TOECR form, NAVMC 11355.
4. Identify compensation for T/O changes when possible.
5. Provide an explanation/reason for change request on the change request form in plain English.
6. Provide a copy of the NAVMC 11355 to the instructor for review and validation.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable. Instructor will ensure the NAVMC 11355 supports the scenario requirement.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5311.1_
2. Unit TO&E

MMGT-2620 6.0 * B L

Goal. Conduct a Consolidated Memorandum Receipt (CMR) Review.

Requirement. Given the references and a maintenance section's CMR, ensure equipment accountability and requirements by performing the following:

1. State the purpose of a CMR.
2. Review TE.
3. Conduct a CMR inventory.
 - a. Ensure SL-3 accountability for assumption and relief.
 - b. Determine Using Unit Responsibility (UURI)/Government Furnished Equipment (GFE) requirements.
 - c. Ensure equipment have record jackets.
 - d. Maintain equipment receipt/transfer documents.
 - e. Identify discrepancies, if any.
4. Write and submit a Request for Investigation IAW MCO 4400.150.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150E W/ERRATUM CH 1-2
2. CMR
3. MMO SOP

MMGT-2621 4.0 * B L

Goal. Draft a Using Unit Responsibility Items (UURI) authorization letter.

Requirement. Given the reference, complete the following:

1. Identify required UURI.
2. Draft a UURI authorization letter.

Performance Standard. Submit to the evaluator the correctly formatted UURI authorization letter that identifies required quantities of all UURI IAW the reference without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. Applicable end item SL-3
3. SecNavInst 5216.2_
4. MCO P4400.150_
5. Unit MMSOP

MMGT-2622 4.0 * B L

Goal. Explain Recoverable Items Report (WIR) procedures.

Requirement. Given the reference and a scenario, conduct the following:

1. State the purpose of the WIR.
2. State the criteria under which an item should be processed for WIR.
3. State the information required to submit a WIR request.
4. State the submission procedures for a WIR request.
5. State the method to follow up on WIR submissions.
 - a. WIR on-line Process Handler.
 - b. Weekly Supply reconciliation.
6. Explain disposition instruction.

Performance Standard. Correctly state the items in the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. UM-4400
3. MCOP4400.82F

MMGT-2623 4.0 * B L

Goal. Submit a maintenance cycle time extension letter.

Requirement. Given the reference, equipment, and applicable equipment records conduct the following:

1. Identify maintenance cycle time requirement.
2. Draft a maintenance cycle time extension letter.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. The instructor shall ensure the justification meets the requirements.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. Applicable end item technical manual

3. NAVMC 5216.2_
4. Unit MMSOP

MMGT-2624 4.0 * B L

Goal. Submit a Product Quality Deficiency Report (PQDR).

Requirement. Given the reference, equipment or a scenario:

1. State the criteria under which the PQDR should be submitted.
2. Complete the PQDR.
3. Explain the squadron's internal process for submitting a PQDR.
4. Identify the procedure to follow up with the PQDR.
5. Discuss external process flow of the PQDR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. UM-4400-124_
3. Unit MMSOP
4. MCO 4855.10B PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
5. SECNAVINST 4855.5_, Product Quality Deficiency Report Program)
6. <http://www.logcom.usmc.mil/pqdr/files/PQDR%20Users%20Guide.pdf>
7. https://www.pdrep.csd.disa.mil/pdrep_files/training/online_train.htm

MMGT-2650 4.0 1095 B, R, M L

Goal. Assess maintenance shop performance.

Requirement. Given the references, perform the following:

1. Determine key performance indicators.
2. Determine functional areas to be inspected.
3. Develop an inspection plan.
4. Assign personnel to conduct inspections.
5. Review results.
6. Assess strengths and weaknesses.
7. Develop/implement a corrective plan.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. CGI checklist
3. FSMAO inspection checklist
4. MMO SOP

6.10.10 OPERATIONAL MANAGEMENT (OMGT) STAGE

6.10.10.1 Purpose. To provide the trainee basic skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

6.10.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-2695 6.0 * B L

Goal. Design a site layout.

Requirement. Given a scenario, the references, a TO/E and mission statement, determine an appropriate site for system emplacement by designing a site layout by performing the following:

1. Conduct a site survey.
2. Determine a primary and secondary site location.
3. Analyze terrain to:
 - a. Determine tactical orientation and equipment emplacement.
 - b. Determine obstructions and hazards.
 - c. Determine communications requirements and obstacles.
 - d. Determine operational footprint.
 - e. Determine power and fuel requirements.
 - f. Determine the placement for vehicles.
 - g. Determine the placement for antennas.
 - h. Determine proper grounding system.

- i. Determine protection from the elements.
- j. Determine Terrain Masking.
4. Utilize planning tools (EMPRO, FalconView, AMP, SPEED, etc.) to determine terrain masking and line of sight connectivity.
5. Design a site layout.
 - a. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Fuels (HERF) regulations.
 - b. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Ordnance (HERO) regulations.
 - c. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Personnel (HERP) regulations.
 - d. Ensure emitters are emplaced to support working area.
6. Submit the site layout to the instructor for validation.

Performance Standard. The trainee will provide the instructor with reasoning for the following (instructors are encouraged to discuss site survey in depth with the trainee)

1. Selection of the primary and secondary site.
2. Site limitations for each site (if any).
3. How each site will support mission requirements?
4. Determine a security plan.
5. Draw the site layout to support the scenario.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCDP 6
2. MCWP 3-25.3
3. MCWP 3-25.4
4. MCWP 3-25.5
5. MCWP 3-25.6
6. MCWP 3-25.7
7. MCWP 3-25.8
8. MCWP 3-25.10
9. MCWP 5-1
10. IEEE C95.1-1991
11. NAVSHIPS 0967-317-7010
12. TM 9406-15
13. DODINST 6055.11
14. BUMED 6470.23
15. OPNAVINST 5100.23 Series
16. NAVSEA OP 3565/NAVAIR 16-1-529/NAVELEX 0967-LP-624-6010/Volume II
17. Navy Safety Center
18. MCO 5100.29_
19. MCO 5104.2_
20. MCO 5104.3_

OMGT-2696 6.0 * B L

Goal. Prepare and present a command level brief for deployment.

Requirement. Given an OPORD and commander's intent, perform the following:

1. Prepare a brief that contains at minimum the following:
 - a. State the OPORD mission.
 - b. Maintenance essential tasks extracted from the OPORD.
 - d. List equipment requirements to support mission.
 - e. Define crew composition and management based on T&R CMMR.
 - i. Emplacement.
 - k. Redeployment plan.
 - l. State maintenance sustainment plan.
 - m. State supply support required.
 - n. State logistical support required.
 - o. Issues of concern.
2. Present the brief.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. The instructor will ensure the brief contains the requirement items and that the overall planning supports the mission in the OPORD.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. OPORD
2. Local Unit SOP
3. Local MMO SOP

OMGT-2697 6.0 * B L

Goal. Identify Operational Requirements.

Requirement. Given an OPORD, determine the operational requirement of the maintenance section to support the mission, to include:

1. Communication electronics equipment required.
 - a. Radio requirements.
 - b. Network requirements.
 - c. Radar requirements.
2. Engineering equipment.
 - a. Air conditioners.

- b. Heavy equipment.
- c. Generators.
- 3. Personnel required.
 - a. Identify minimum number of mission skilled maintainers per crew required to support the mission.
 - b. Identify minimum number of designated leaders required to support the mission.
 - c. List the administrative requirements for crew.
 - (1) Tactical license.
 - (2) Security Clearance.
- 4. Cryptographic equipment required.
- 5. Logistics support required.
- 6. Supply support required.
 - a. Bill of Material (BOM) requirements.
 - b. SECREP requirements.
- 7. Frequencies required.
 - a. Draft a frequency request. (TPS-63, TPS-59, IFF, Mode-4).
 - b. Draft a satellite access request.
- 8. Develop an Equipment Density List (EDL) for PEIs.
- 9. Draw a site layout plan.
- 10. Draft a brief covering addressing the deployment and emplacement plan to support the mission.
- 11. Submit the site layout and brief the plan.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1. Planning MCWP 5-1
- 2. MOS Manual
- 3. TM 2000
- 4. MCWP 3-40.3
- 5. CJCSM 6231
- 6. JT PUB Series 6-05
- 7. Chapter 1 of this Manual

OMGT-2698 4.0 * B L

Goal. Provide input for the operational plan.

Requirement. Given an operation and command guidance, provide input for the operations order:

1. Verify mission requirements.
2. Determine mission essential equipment.
3. Provide input for the mission Equipment Density List.
4. Assign maintenance personnel to meet mission requirements.
5. Provide input for mission execution.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. The instructor shall ensure that the communications portion of operation plan supports the mission.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operations Order

OMGT-2699 4.0 * B L

Goal. Organize and staff crew for deployment.

Requirement. Given a scenario and references, perform the following:

1. Integrate crew personnel.
 - a. Ensure minimum number of core skilled maintainers are assigned per this manual.
 - b. Ensure minimum number of designated leaders are assigned per this manual.
2. Administrate crew.
 - a. Tactical license.
 - b. Supply.
 - c. Orders.
 - d. Security Clearance.
 - e. Pay.
 - f. Courier Letter.
3. Conduct crew brief.

Performance Standard. Given a scenario, identify the requirements to establish a core capable crew, without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.5

OMGT-2700 4.0 * B L

Goal. Submit of a Bill of Material (BOM) request.

Requirement. Given TEEP documents and references, perform the following:

1. Collect requests from maintenance sections.
2. Consolidate required materials into a BOM request.
3. Verify the request is sufficient to support 24 hour operations and for the length of the exercise, validate the content to ensure that it meets sustained operational requirement.
4. Submit a BOM request.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150E W/ERRATUM CH 1-2

OMGT-2701 4.0 * B L

Goal. Ensure safety procedures and precautions are followed during embarkation, set-up, and maintenance production.

Requirement. Given references, ensure that all personnel are informed of and following all safety procedures and precautions during all phases of operation and maintenance by performing the following:

1. Prepare deliberate ORM for the given scenario.
2. Ensure all safety procedures/precautions are followed during embarkation.
 - a. Packing.
 - b. Loading.
3. Ensure all safety procedures/precautions are followed during employment.

- a. Set-up.
 - b. Operations.
4. Ensure all safety procedures/precautions are followed during maintenance.
- a. Personnel safety.
 - b. Equipment safety.

Performance Standard. Given a scenario and core competent crew, prepare ORM worksheets and verify safety procedures are followed. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. Applicable technical manuals
3. NAVMC DIR 5100.8

6.11 MISSION SKILL TRAINING (3000)

6.11.1 Purpose. To provide the requisite advanced skills and working knowledge to employ the MACCS and ancillary equipment in order to accomplish the Marine Air Support Squadron missions.

6.11.2 General.

6.11.2.1 Prerequisite.

6.11.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in Core Skill and Core Plus phases.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crew member assistance must be restricted to those actions required to support or facilitate individual training so as

not to detract from the individual properly demonstrating the event performance standard.

(4) Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited as a prerequisite for follow-on training events.

(5) Refresher Training. Refresher training is required once a individual has been absent from a technician billet for 36 months or longer. Upon return, the individual will complete R-coded events in the Attain table; else the technician will maintain proficiency by completing the R-coded events in the Maintain table.

6.11.2.3 Stages. The following stages are included in the Mission Skill Phase of training.

| PAR NO. | STAGE NAME |
|---------|--|
| 6.11.3 | INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) |
| 6.11.4 | INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) |
| 6.11.5 | INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) |
| 6.11.6 | EQUIPMENT (EQUIP) |
| 6.11.7 | OPERATIONAL MANAGEMENT (OMGT) |

6.11.3 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

6.11.3.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-3280 4.0 1095 B,R,M E L

Goal. Explain concepts included in A+ exam 220-801.

Requirement. Without the aid of references, explain:

1. PC Hardware.
2. Networking.
3. Laptop.
4. Printers.
5. Operational Procedures.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-3281 4.0 1095 B,R,M E L

Goal. Explain concepts included in A+ exam 220-802.

Requirement. Without the aid of references, explain:

1. Operating Systems.
2. Security.
3. Mobile Devices.
4. Troubleshooting.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2255, 2256, 2257, 2258

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

6.11.4 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

6.11.4.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.11.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-3282 4.0 1095 B, R, M E L

Goal. Explain concepts included in Network+ exam N10-005.

Requirement. Without the aid of references, explain:

1. Networking Concepts.
2. Network Installation and Configuration.
3. Network Media and Topologies.
4. Network Management.
5. Network Security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

6.11.5 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

6.11.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-3283 4.0 1095 B, R, M E L

Goal. Explain concepts included in Security + exam SY0-301.

Requirement. Without the aid of reference, explain:

1. Network Security.
2. Operational Security.
3. Threats and vulnerabilities.
4. Cryptography.
5. Access control and identity management.
6. Application, data and host security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

6.11.6 EQUIPMENT (EQUIP) STAGE

6.11.6.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

6.11.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-3454 4.0 365 B, R, M L

Goal. Verify operational configuration of Tactical Data Systems.

Requirement. Given the reference and an operational Tactical Data System, a core capable crew, operational documents, verify that the following supports the operations order:

- Voice communication configurations.
- Data communication configurations.
 - Tactical Data Link configurations.
 - ADPE configurations.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual

2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
3. TM 10446B-OI SAAWF Operations and Maintenance Instructions
4. TM 10200A-OI/1 ADCP Maintenance Manual
5. TM 11399A-OI/1 JRE Operations and Maintenance Instructions

6.11.7 OPERATIONAL MANAGEMENT (OMGT) STAGE

6.11.7.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

6.11.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-3716 6.0 * B L

Goal. Deploy a maintenance section in support of unit operations.

Requirement. Given a scenario or operational deployment and commander's guidance, deploy the maintenance section:

1. Review and recommend changes to the operational plan.
2. Coordinate equipment support as required.
3. Review and recommend changes to the Bill of Materials.
4. Review and recommend SECREP requirements as required.
5. Supervise pack-up of equipment.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Review and approve EDL.
8. Determine maintenance requirements.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6_

OMGT-3718 20.0 730 B, R, M L

Goal. Deploy TDS capability ISO operations order.

Requirement. Given the reference, core capable crew(s), operational documents, TDS(s), complete the following:

1. Verify TDS site emplacement.
2. Verify TDS configuration.
3. Verify crew(s) are established.
4. Verify classified materials are managed.
5. Verify physical security.
6. Verify logistics support.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. To meet the requirement the TDS must be moved.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5.11.1A
2. MCWP 3-40.3
3. MCWP 3.25
4. MCWP 3-25.7
5. TM 08611B-OI VOL1 of 3 REV 1, Mobile Tactical Air Operations Module
TM-11406A-OR/1-1, Composite Tracking Network
DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual

6.12 CORE PLUS TRAINING (4000)

6.12.1 Purpose. To train the trainee on core plus concepts.

6.12.2 General.

6.12.2.1 Prerequisiste. None

6.12.2.2 Admin Notes. None

6.12.2.3 Stages. The following stage is included in the Core Plus Skill Phase of training.

| PAR NO. | STAGE NAME |
|---------|-------------------|
| 6.12.3 | EQUIPMENT (EQUIP) |

6.12.3 EQUIPMENT (EQUIP) STAGE

6.12.3.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

6.12.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-4455 4.0 * B L

Goal. Identify hazards specific to the LRR and MRR.

Requirement. Given the references and an energized LRRS and MRRS, identify the following hazards:

1. RF.
2. Components.
3. Fire.
4. Suffocation.
5. Emplacement operations and maintenance.
6. Electro-static discharge.

Performance Standard. With the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR
2. TM 07736C 14/1-1

EQUIP-4456 4.0 * B L

Goal. Review system troubleshooting on a MRR.

Requirement. Given the references, a mission capable crew, a de-

energized MRRS radar with a fault in the system, tools and TMDE, complete the following:

1. Monitor the operational checks and alignments of the radar system.
2. Identify and review symptoms of a fault within the radar system.
3. review the fault to the line replaceable unit.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C Series

EQUIP-4457 4.0 * B L

Goal. Verify the MRR configuration.

Requirement. Given the reference, a mission capable crew, an operating MRR, and operational documents, complete the following:

1. Verify the appropriate radar frequency.
2. Verify the appropriate radar pulse width.
3. Verify the appropriate MTI range.
4. Verify the appropriate weather sector.
5. Verify the appropriate staggered PRF sector for the operational environment.
6. Verify the appropriate radar blanking sector.
7. Verify and/or adjust the manual STC curve to suit the operational environment.
8. Verify and/or adjust the manual ECM alarm to suit the operational environment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/3

EQUIP-4458 4.0 * B L

Goal. Review system troubleshooting on a LRR.

Requirement. Given the references, mission capable crew, a de-energized LRRS radar with a fault in the system, tools and TMDE, complete the following:

1. Direct the operational checks and alignments of the radar system.
2. Identify and review symptoms of a fault within the radar system.
3. Review the fault to the line replaceable unit.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR

EQUIP-4459 4.0 * B L

Goal. Verify the LRR system configuration.

Requirement. Given the reference and an operational LRR, a mission capable crew, operational documents, verify the following:

- Radar Frequency.
- Physical Data.
- Atmospheric Data.
- External Alignment.
- IFF Control.
- SET Function Status.
- Platform Level.
- North Alignment.
- Mission.
- Weather Sectors.
- Blanking Sectors.
- Radar Control.

-Scan Rate.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR

EQUIP-4460 4.0 * B L

Goal. Verify the configuration of the Interrogator Set.

Requirement. Given the references, a mission capable crew, operational documents, radar, and an Interrogator set verify the following:

1. cable configuration.
2. software parameters.
3. hardware configuration.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Interrogator TM

6.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

6.13.1 Purpose. To provide technicians the additional skills necessary to instruct, evaluate and approve event completions. Upon completion of the required training, an individual may be approved for instructor designation by the commanding officer.

6.13.2 General.

6.13.2.1 Prerequisiste. None

6.13.2.2 Admin Notes.

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to the concepts of managing a WTTP, properly conducting training, performing evaluations, and recommending training plans.

b. There are different instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

(3) Weapons and Tactics Instructor (WTI)

(4) The MAWTS-1 C3 Course catalog contains the training requirements for the above listed instructors. The catalog is located at the MAWTS-1 website, <https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>.

(5) The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

| INSTRUCTOR | Event Training, Evaluation and Approval |
|------------|--|
| BI | Core Skill events in which current and proficient |
| SI | Core Skill and Mission Skill events |
| WTI | Mission Skill and Qualification events. - Evaluate and recommend for qualification - Endorse recommendations for position designations |
| | The Commanding Officer is the approving authority for qualifications and designations. |

6.13.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

| PAR NO. | STAGE NAME |
|---------|---------------------------------|
| 6.13.3 | INSTRUCTOR UNDER TRAINING (IUT) |

6.13.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

6.13.3.1 Purpose. To train Aviation Radar Maintenance Officers in the fundamentals of instructing and training processes.

6.13.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

| T&R CODE | EVENT DESCRIPTION | INSTRUCTOR |
|----------|--|------------|
| 5000 | Introduce principles of instruction | BI |
| 5010 | Understand the structure of an event | BI |
| 5020 | Conduct a period of instruction on a core skill event | BI |
| 5100 | Understand the Aviation Training and Readiness (T&R) Program | SI |
| 5110 | Understand the applicable community T&R program | SI |
| 5120 | Understand T&R administration | SI |
| 5130 | Develop a training plan | SI |
| | | |

6.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000)

6.14.1 Purpose. This phase provides community standardization for MACCS Warrant Officer certifications and designations; combat leaders and instructor designations. This syllabus does not contain "one time" certification training requirements.

6.14.2 General.

6.14.2.1 Prerequisiste. None

6.14.2.2 Admin Notes.

(1) This section enables units to document and track combat leaders, instructors, technician and CD assignments. All syllabus training and administration requirements must be complete prior to being qualified or designated. A qualification or designation is not effective until all administration is completed.

(2) Only once an individual is qualified or designated in writing, the signed letter is filed in the IPR, and all administrative actions are completed, and the event code has been logged in M-SHARP shall the qualification or designation be effective.

6.14.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

| PAR NO. | STAGE NAME |
|---------|-----------------------|
| 6.14.3 | CERTIFICATIONS (CERT) |
| 6.14.4 | DESIGNATION (DESG) |
| 6.14.5 | SCHOOL CODES (SCHL) |

6.14.3 CERTIFICATIONS (CERT) STAGE

6.14.3.1 Purpose. To provide for certifications of Information Assurance

Work Force personnel. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a certification are current prior to approving that certification. If prerequisite R-coded events are delinquent, the individual shall update those events.

6.14.3.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining certification are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. NONE.

CERT-6200 4.0 * B L

Goal. Certification as a COMPTIA A+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA 220-801 and COMPTIA 220-802. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

CERT-6201 4.0 * B L

Goal. Certification as a COMPTIA Network+ Technician.

Requirement. Complete the required industry certification exam, COMPTIA N10-005. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263, 3282

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

CERT-6202 4.0 * B _____ L

Goal. Certification as a COMPTIA Security+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA SY0-301. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269, 3283

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

6.14.4 DESIGNATIONS (DESG) STAGE

6.14.4.1 Purpose. To provide for designation of combat leaders and instructors. Designations are command specific and expire when an individual transfers out of a command. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a designation are current prior to approving that designation. If prerequisite R-coded events are delinquent, the individual shall update those events.

6.14.4.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining designations are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

DESG-6306 1.0 * _____ L

Goal. Designation as the DSMO.

Requirement. Be recommended for designation by the unit WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6320 1.0 * B L

Goal. Designation as a Basic Instructor (BI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 5000, 5010, 5020

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14_

DESG-6321 1.0 * B L

Goal. Designation as a Senior Instructor (SI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 5000, 5010, 5020, 5100, 5110, 5120, 5130

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14_

DESG-6322 0.5 * B

Goal. Designation as Weapons and Tactics Instructor (WTI).

Requirement. Be certified by MAWTS-1 as a WTI and be recommended for designation by the squadron WTI. The commanding officer will designate the WTI in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 6000, 6306, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14_

6.14.5 SCHOOL CODES (SCHL) STAGE

6.14.5.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5910 in the skill progression of the Marine.

6.14.5.2 General

Prerequisite. None

Admin Notes. Policies and prerequisites for attending the listed schools are maintained within MCTIMS.

Crew Requirements. None

| SCHL CODE | NAME OF COURSE | LOCATION | CID |
|-----------|--------------------------------------|---------------|---------|
| SCHL-6000 | Weapons and Tactics Instructor (WTI) | MCAS Yuma, AZ | M14P2A1 |

| | | | |
|-----------|---|------------------------------|---------|
| SCHL-6023 | Link 16 Joint Interoperability Course (US-109) | Joint Knowledge Online (JKO) | N/A |
| SCHL-6022 | Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102) | Fort Bragg, NC | A36L6Z1 |
| SCHL-6024 | Multi TDL Planner Course (JT-201) | Fort Bragg, NC | A05KHY1 |
| SCHL-6025 | Link 16 Unit Manager (LUM) Course (JT-220) | Fort Bragg, NC | N/A |

6.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

6.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

6.15.2 General

6.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

6.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

6.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

| PAR NO. | STAGE NAME |
|---------|------------------|
| 6.15.3 | CONDITION (COND) |

6.15.3 CONDITION (COND) STAGE

6.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

6.15.3.2 General

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Intent (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
4. Equipment Density List (EDL)

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B, R, M C2 System L/S

Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct an RSOP
6. Identify, create, and finalize administrative documents supporting the operation
7. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of personnel
10. Conduct TAOC operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.

Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.

1. U-TAOC-PCL-03862, TAOC Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B, R, M L/S

Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect TAOC communication
3. Coordinate with higher to provide TAOC requirements

4. Coordinate site security, camouflage, dispersion, and trafficability
5. Identify locations for emplacement of communications and support equipment
6. Coordinate priorities for equipment emplacement
7. Identify echelon considerations
8. Identify Advanced Party/RSOP Team
9. Occupy the site
10. Emplace the TAOC

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 TAOC Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

6.16 AVIATION CAREER PROGRESSION MODEL (8000).

6.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)
Aviation Ground Support
Joint Air Operations
ACE Battle Staff
MAGTF
Seabased Operations
Combatant Commander Organizations

6.16.2 General. The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced instruction.

MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM

program of instruction:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/Aviation%20Career%20Progression%20Model/Forms/AllItems.aspx>

Completed events shall be manually logged and tracked in M-SHARP.

ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

| STAGE | TRNG CODE | T&R DESCRIPTION | | ACAD TIME | TO BE COMPLETED DURING |
|-------|-----------|---|--|-----------|------------------------|
| ACPM | 8000 | MACCS | | 1 | 2000 PHASE |
| ACPM | 8001 | MARINE AIR COMMAND AND CONTROL SYSTEM | | 4 | 2000 PHASE |
| ACPM | 8002 | TACTICAL AIR COMMAND CENTER (TACC) | | 4 | 2000 PHASE |
| ACPM | 8003 | DIRECT AIR SUPPORT CENTER (DASC) | | 4 | 2000 PHASE |
| ACPM | 8004 | TACTICAL AIR OPERATIONS CENTER (TAOC) | | 4 | 2000 PHASE |
| ACPM | 8005 | MARINE AIR TRAFFIC CONTROL (MATC) | | 4 | 2000 PHASE |
| ACPM | 8006 | LOW ALTITUDE AIR DEFENSE (LAAD) | | 4 | 2000 PHASE |
| ACPM | 8007 | Marine Unmanned Aerial Vehicle Squadron (VMU) | | 4 | 2000 PHASE |
| ACPM | 8008 | MARINE WING COMMUNICATION SQUADRON (MWCS) | | 4 | 2000 PHASE |
| ACPM | 8020 | ACE | | 1 | 2000 PHASE |
| ACPM | 8021 | AVIATION OPERATIONS | | 4 | 2000 PHASE |
| ACPM | 8022 | CONTROL OF AIRCRAFT AND MISSILES | | 4 | 2000 PHASE |
| ACPM | 8023 | OFFENSIVE AIR SUPPORT (OAS) | | 4 | 2000 PHASE |
| ACPM | 8024 | ASSAULT SUPPORT | | 4 | 2000 PHASE |
| ACPM | 8025 | AIR RECONNAISSANCE | | 4 | 2000 PHASE |
| ACPM | 8026 | ELECTRONIC WARFARE | | 4 | 2000 PHASE |
| ACPM | 8027 | ANTI-AIR WARFARE | | 4 | 2000 PHASE |
| ACPM | 8028 | AVIATION GROUND SUPPORT | | 4 | 2000 PHASE |
| ACPM | 8040 | THREAT | | 1 | 3000 PHASE |
| ACPM | 8041 | SURFACE TO AIR THREAT TO THE MAGTF | | 4 | 3000 PHASE |
| ACPM | 8042 | FIXED WING THREAT TO THE MAGTF | | 4 | 3000 PHASE |
| ACPM | 8043 | ROTARY WING THREAT TO THE MAGTF | | 4 | 3000 PHASE |
| ACPM | 8044 | MISSILE AND UAS THREAT TO THE MAGTF | | 4 | 3000 PHASE |
| ACPM | 8060 | MAGTF | | 1 | 4000 PHASE |
| ACPM | 8061 | GROUND COMBAT OPERATIONS | | 4 | 4000 PHASE |
| ACPM | 8062 | FIRE SUPPORT COORDINATION IN THE GCE | | 4 | 4000 PHASE |
| ACPM | 8063 | MAGTF COMMAND AND CONTROL | | 4 | 4000 PHASE |
| ACPM | 8064 | MAGTF COMMUNICATIONS | | 4 | 4000 PHASE |
| ACPM | 8065 | PHASING CONTROL ASHORE | | 4 | 4000 PHASE |
| ACPM | 8066 | INFORMATION MANAGEMENT | | 4 | 4000 PHASE |
| ACPM | 8067 | UAS SUPPORT OF THE MAGTRF | | 4 | 4000 PHASE |
| ACPM | 8080 | JOINT AIR OPERATIONS | | 1 | 4000 PHASE |
| ACPM | 8081 | COMMAND AND CONTROL OF JOINT AIR OPERATIONS | | 4 | 4000 PHASE |
| ACPM | 8082 | THEATER AIR CROUND SYSTEM (TAGS) | | 4 | 4000 PHASE |

| | | | | | |
|------------------|------|---|--|----|------------|
| ACPM | 8083 | JOINT FIRE SUPPORT | | 4 | 4000 PHASE |
| ACPM | 8084 | CLOSE AIR SUPPORT | | 4 | 4000 PHASE |
| ACPM | 8085 | JOINT TARGETING | | 4 | 4000 PHASE |
| ACPM | 8086 | NORTH ATLANTIC TREATY ORGANIZATION (NATO) | | 4 | 4000 PHASE |
| ACPM | 8087 | JOINT AIRSPACE CONTROL | | 4 | 4000 PHASE |
| ACPM | 8088 | COUNTERING AIR AND MISSILE THREATS | | 4 | 4000 PHASE |
| TOTAL ACPM STAGE | | | | 40 | 145 |

6.17 T&R ATTAIN AND MAINTAIN TABLES

| TAOC MAINTENANCE MOS 5970 | | | | | | | | | | | | |
|--|-----------------|-------|------|-----------|--------|---------------|--------|----------------------|--------|---------|------------|------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | | |
| CORE SKILL (2000 Phase) | | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING | |
| | T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | | | CODE |
| Describe proper handling and storage of classified materials. | COMSEC | 2190 | 365 | | COMSEC | 2190 | COMSEC | 2190 | COMSEC | 2190 | - | - |
| State the physical security requirements for classified areas. | COMSEC | 2191 | 365 | | COMSEC | 2191 | COMSEC | 2191 | COMSEC | 2191 | - | - |
| Create a classified area physical security diagram. | COMSEC | 2192 | 365 | | COMSEC | 2192 | COMSEC | 2192 | COMSEC | 2192 | 2191 | - |
| Conduct classified material inventory. | COMSEC | 2193 | 365 | | COMSEC | 2193 | COMSEC | 2193 | COMSEC | 2193 | 2190 | - |
| Extract key material information from EKMS COMSEC callout. | COMSEC | 2194 | * | | COMSEC | 2194 | COMSEC | 2194 | | | 2190 | - |
| Utilize a Common Fill Device. | COMSEC | 2195 | 365 | | COMSEC | 2195 | COMSEC | 2195 | COMSEC | 2195 | 2190 | - |
| Ensure CMCC handling procedures are followed. | COMSEC | 2196 | * | | COMSEC | 2196 | | | | | 2190 | - |
| Ensure EKMS material handling procedures are followed. | COMSEC | 2197 | * | | COMSEC | 2197 | | | | | 2190 | - |
| Ensure CCI material handling procedures are followed. | COMSEC | 2198 | * | | COMSEC | 2198 | | | | | 2190 | - |
| Validate physical security of classified areas. | COMSEC | 2200 | * | | COMSEC | 2200 | | | | | 2191, 2192 | - |
| Verify the proper use of a Common Fill Device. | COMSEC | 2201 | * | | COMSEC | 2201 | | | | | 2190, 2195 | - |
| Identify organic Cryptographic Controlled Item (CCI) devices organic to the section. | COMSEC | 2202 | * | | COMSEC | 2202 | | | | | 2190, 2193 | - |
| Identify equipment classification requirements. | COMSEC | 2203 | * | | COMSEC | 2203 | | | | | 2190 | - |
| Familiarization with LRR equipment. | FAM | 2219 | * | | FAM | 2219 | | | | | - | - |
| Familiarization with MRR equipment. | FAM | 2220 | * | | FAM | 2220 | | | | | - | - |
| Describe the Identification Friend or Foe (IFF) MK XII interrogator system. | FAM | 2221 | * | | FAM | 2221 | | | | | - | - |
| Describe TACLAN. | FAM | 2222 | * | | FAM | 2222 | | | | | - | - |

| | | | | | | | | | | | |
|--|--------|------|---|--------|------|--|--|--|--|---|---|
| Identify the major components of the Composite Tracking Network (CTN). | FAM | 2223 | * | FAM | 2223 | | | | | - | - |
| Explain PC hardware. | IAWFAT | 2250 | * | IAWFAT | 2250 | | | | | - | - |
| Explain networking concepts. | IAWFAT | 2251 | * | IAWFAT | 2251 | | | | | - | - |
| Explain laptop features and characteristics. | IAWFAT | 2252 | * | IAWFAT | 2252 | | | | | - | - |
| Explain printer features and characteristics. | IAWFAT | 2253 | * | IAWFAT | 2253 | | | | | - | - |
| Explain operational procedures. | IAWFAT | 2254 | * | IAWFAT | 2254 | | | | | - | - |
| Explain operating systems. | IAWFAT | 2255 | * | IAWFAT | 2255 | | | | | - | - |
| Explain security. | IAWFAT | 2256 | * | IAWFAT | 2256 | | | | | - | - |
| Explain Mobile Devices. | IAWFAT | 2257 | * | IAWFAT | 2257 | | | | | - | - |
| Explain Troubleshooting. | IAWFAT | 2258 | * | IAWFAT | 2258 | | | | | - | - |
| Explain Networking Concepts. | IAWFNT | 2259 | * | IAWFNT | 2259 | | | | | - | - |
| Explain Network Installation and Configuration. | IAWFNT | 2260 | * | IAWFNT | 2260 | | | | | - | - |
| Explain Network Media and Topologies. | IAWFNT | 2261 | * | IAWFNT | 2261 | | | | | - | - |
| Explain Network Management. | IAWFNT | 2262 | * | IAWFNT | 2262 | | | | | - | - |
| Explain Network Security. | IAWFNT | 2263 | * | IAWFNT | 2263 | | | | | - | - |
| Explain Network Security. | IAWFST | 2264 | * | IAWFST | 2264 | | | | | - | - |
| Explain Operational Security. | IAWFST | 2265 | * | IAWFST | 2265 | | | | | - | - |
| Explain threats and vulnerabilities. | IAWFST | 2266 | * | IAWFST | 2266 | | | | | - | - |
| Explain cryptography. | IAWFST | 2267 | * | IAWFST | 2267 | | | | | - | - |
| Explain access control and identity management. | IAWFST | 2268 | * | IAWFST | 2268 | | | | | - | - |
| Explain application, data and host security. | IAWFST | 2269 | * | IAWFST | 2269 | | | | | - | - |
| Review system troubleshooting on the TDS equipment within the TAOC. | EQUIP | 2436 | * | EQUIP | 2436 | | | | | - | - |
| Verify system configuration of tactical data systems within the TAOC. | EQUIP | 2437 | * | EQUIP | 2437 | | | | | - | - |
| Plan for deployment of Tactical Data Systems. | EQUIP | 2438 | * | EQUIP | 2438 | | | | | - | - |
| Identify the requirements for a Pre-extended Bin (PEB). | MMGT | 2615 | * | MMGT | 2615 | | | | | - | - |
| Ensure the corrective maintenance repair process is being conducted. | MMGT | 2616 | * | MMGT | 2616 | | | | | - | - |
| Identify Critical Low Density SECREP assets and required on-hand quantities. | MMGT | 2617 | * | MMGT | 2617 | | | | | - | - |
| Develop a maintenance section budget. | MMGT | 2618 | * | MMGT | 2618 | | | | | - | - |
| State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR). | MMGT | 2619 | * | MMGT | 2619 | | | | | - | - |
| Conduct a Consolidated Memorandum Receipt (CMR) Review. | MMGT | 2620 | * | MMGT | 2620 | | | | | - | - |
| Draft a Using Unit Responsibility Items (UURI) authorization letter. | MMGT | 2621 | * | MMGT | 2621 | | | | | - | - |
| Explain Recoverable Items Report (WIR) procedures. | MMGT | 2622 | * | MMGT | 2622 | | | | | - | - |
| Submit a maintenance cycle time extension letter. | MMGT | 2623 | * | MMGT | 2623 | | | | | - | - |

| Submit a Product Quality Deficiency Report (PQDR). | MMGT | 2624 | * | MMGT | 2624 | | | | | - | - |
|---|-----------|------|-------|--------|------|---------------|------|----------------------|------|------------------------------------|----------|
| Assess maintenance shop performance. | MMGT | 2650 | 1095 | MMGT | 2650 | MMGT | 2650 | MMGT | 2650 | - | - |
| Design a site layout. | OMGT | 2695 | * | OMGT | 2695 | | | | | - | - |
| Prepare and present a command level brief for deployment. | OMGT | 2696 | * | OMGT | 2696 | | | | | - | - |
| Identify Operational Requirements. | OMGT | 2697 | * | OMGT | 2697 | | | | | - | - |
| Provide input for the operational plan. | OMGT | 2698 | * | OMGT | 2698 | | | | | - | - |
| Organize and staff crew for deployment. | OMGT | 2699 | * | OMGT | 2699 | | | | | - | - |
| Submit of a Bill of Material (BOM) request. | OMGT | 2700 | * | OMGT | 2700 | | | | | - | - |
| Ensure safety procedures and precautions are followed during embarkation, set-up, and maintenance production. | OMGT | 2701 | * | OMGT | 2701 | | | | | - | - |
| MISSION SKILL (3000 Phase) | | | | | | | | | | | |
| T&R EVENT INFORMATION | BASIC POI | | | | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Explain concepts included in A+ exam 220-801. | IAWFAT | 3280 | 1095 | IAWFAT | 3280 | IAWFAT | 3280 | IAWFAT | 3280 | 2250, 2251, 2252, 2253, 2254 | - |
| Explain concepts included in A+ exam 220-802. | IAWFAT | 3281 | 1095 | IAWFAT | 3281 | IAWFAT | 3281 | IAWFAT | 3281 | 2255, 2256, 2257, 2258 | - |
| Explain concepts included in Network+ exam N10-005. | IAWFNT | 3282 | 1095 | IAWFNT | 3282 | IAWFNT | 3282 | IAWFNT | 3282 | 2259, 2260, 2261, 2262, 2263 | - |
| Explain concepts included in Security + exam SY0-301. | IAWFST | 3283 | 1095 | IAWFST | 3283 | IAWFST | 3283 | IAWFST | 3283 | 2264, 2265, 2266, 2267, 2268, 2269 | - |
| Verify operational configuration of Tactical Data Systems. | EQUIP | 3454 | 365 | EQUIP | 3454 | EQUIP | 3454 | EQUIP | 3454 | - | - |
| Deploy a maintenance section in support of unit operations. | OMGT | 3716 | * | OMGT | 3716 | | | | | - | - |
| Deploy TDS capability ISO operations order. | OMGT | 3718 | 730 | OMGT | 3718 | OMGT | 3718 | OMGT | 3718 | - | - |
| CORE PLUS SKILL (4000 Phase) | | | | | | | | | | | |
| T&R EVENT INFORMATION | BASIC POI | | | | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Identify hazards specific to the LRR and MRR. | EQUIP | 4455 | * | EQUIP | 4455 | | | | | - | - |
| Review system troubleshooting on a MRR. | EQUIP | 4456 | * | EQUIP | 4456 | | | | | - | - |
| Verify the MRR configuration. | EQUIP | 4457 | * | EQUIP | 4457 | | | | | - | - |
| Review system troubleshooting on a LRR. | EQUIP | 4458 | * | EQUIP | 4458 | | | | | - | - |
| Verify the LRR system configuration. | EQUIP | 4459 | * | EQUIP | 4459 | | | | | - | - |
| Verify the configuration of the Interrogator Set. | EQUIP | 4460 | * | EQUIP | 4460 | | | | | - | - |

6.18 T&R SYLLABUS MATRIX

| TAOC MOS 5970 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|--|-------|---|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | | | | | | | | | | | | | | | |
| CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS) | | | | | | | | | | | | | | | | | | | |
| AIR SCHOOLS (AIRS) STAGE | | | | | | | | | | | | | | | | | | | |
| AIRS | 1001 | Draw a Communications Diagram for the agencies within the MACG. | B | E | G | - | - | - | * | | 0 | | 0 | | 0.0 | - | - | - | - |
| AIRS | 1002 | Conduct an inspection of maintenance functional areas. | B | E | G | - | - | - | * | | 0 | | 0 | | 0.0 | - | - | - | - |
| AIRS | 1003 | Identify the key elements of Operational Orders (OPORD). | B | E | G | - | - | - | * | | 0 | | 0 | | 0.0 | - | - | - | - |
| AIRS | 1004 | Reconcile Marine Corps Integrated Maintenance Management System (MIMMS) Automated Information System (AIS) reports. | B | E | G | - | - | - | * | | 0 | | 0 | | 0.0 | - | - | - | - |
| AIRS | 1005 | Identify the services provided by Marine Wing Communications Squadron. | B | E | G | - | - | - | * | | 0 | | 0 | | 0.0 | - | - | - | - |
| AIRS | 1006 | Identify Information Assurance requirements for tactical employment of information systems. | B | E | G | - | - | - | * | | 0 | | 0 | | 0.0 | - | - | - | - |
| AIRS | 1007 | Identify TAOC and EW/C communications information exchange requirements. | B | E | G | - | - | - | * | | 0 | | 0 | | 0.0 | - | - | - | - |
| AIRS | 1008 | Identify TACC Communications information exchange requirements. | B | E | G | - | - | - | * | | 0 | | 0 | | 0.0 | - | - | - | - |
| AIRS | 1009 | Identify DASC communications information exchange requirements. | B | E | G | - | - | - | * | | 0 | | 0 | | 0.0 | - | - | - | - |
| AIRS | 1010 | Analyze the TO/E. | B | E | G | - | - | - | * | | 0 | | 0 | | 0.0 | - | - | - | - |
| AIRS | 1011 | Identify spectrum management procedures. | B | E | G | - | - | - | * | | 0 | | 0 | | 0.0 | - | - | - | - |

| | | | | | | | | | | | | | | | | | | |
|---|------|--|-------|---|---|---|---|---|-----|----|-----|-----|-----|---|-----|---|--|--|
| AIRS | 1012 | Identify the embarkation requirements for the major end items of the TACC, DASC, TAOC, and EW/C. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1013 | Identify LAAD Communications information exchange requirements. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1014 | Identify MATC communications information exchange requirements. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1015 | Identify UAS Communications information exchange requirements. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1016 | Identify the Marine Corps Urgent Needs Process (MCUNP). | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1017 | Validate induction of new equipment into service. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1018 | Demonstrate the process to phase out obsolete equipment. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1019 | Identify maintenance funding requirements. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1020 | Identify the SECREP management process. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1021 | Identify DOD Information Assurance Workforce structure. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1022 | Access published information within TFSMS. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1023 | Describe readiness ratings within DRRS-MC. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1024 | Explain the product quality deficiency report (PQDR). | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1025 | Identify major funding lines. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| AIRS | 1026 | State the duties of the responsible Officer. | B | E | G | - | - | - | * | 0 | 0 | 0.0 | - | - | - | - | | |
| TOTAL AIR SCHOOLS (AIRS) STAGE | | | | | | | | | | 26 | 0.0 | 0 | 0.0 | 0 | 0.0 | | | |
| CORE SKILL TRAINING (2000 PHASE EVENTS) | | | | | | | | | | | | | | | | | | |
| COMMUNICATION SECURITY (COMSEC) | | | | | | | | | | | | | | | | | | |
| COMSEC | 2190 | Describe proper handling and storage of classified materials. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 2.0 | - | - | - | - | | |
| COMSEC | 2191 | State the physical security requirements for classified | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 2.0 | - | - | - | - | | |

| | | | | | | | | | | | | | | | | | | |
|--|------|--|-------|---|---|---|---|---|-----|----------|------------|----------|------------|------------|-------------|---|---|--|
| | | areas. | | | | | | | | | | | | | | | | |
| COMSEC | 2192 | Create a classified area physical security diagram. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 0 | 2.0 | 2191 | - | - | - | |
| COMSEC | 2193 | Conduct classified material inventory. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | |
| COMSEC | 2194 | Extract key material information from EKMS COMSEC callout. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | |
| COMSEC | 2195 | Utilize a Common Fill Device. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | |
| COMSEC | 2196 | Ensure CMCC handling procedures are followed. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | |
| COMSEC | 2197 | Ensure EKMS material handling procedures are followed. | B | - | L | - | - | - | * | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | |
| COMSEC | 2198 | Ensure CCI material handling procedures are followed. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | 2190 | - | - | - | |
| COMSEC | 2200 | Validate physical security of classified areas. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | 2191, 2192 | - | - | - | |
| COMSEC | 2201 | Verify the proper use of a Common Fill Device. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | 2190, 2195 | - | - | - | |
| COMSEC | 2202 | Identify organic Cryptographic Controlled Item (CCI) devices organic to the section. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | 2190, 2193 | - | - | - | |
| COMSEC | 2203 | Identify equipment classification requirements. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | 2190 | - | - | - | |
| TOTAL COMMUNICATION SECURITY (COMSEC) STAGE | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 13 | 33.0 | | | |
| FAMILIARIZATION (FAM) | | | | | | | | | | | | | | | | | | |
| FAM | 2219 | Familiarization with LRR equipment. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| FAM | 2220 | Familiarization with MRR equipment. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| FAM | 2221 | Describe the Identification Friend or Foe (IFF) MK XII interrogator system. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| FAM | 2222 | Describe TACLAN. | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| FAM | 2223 | Identify the major components of the Composite Tracking Network (CTN). | B | - | L | - | - | - | * | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| TOTAL FAMILIARIZATION (FAM) STAGE | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 5 | 5.0 | | | |
| INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE | | | | | | | | | | | | | | | | | | |
| IAWFAT | 2250 | Explain PC hardware. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | - | |

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|---|------|---|---|---|---|---|---|---|---|---|-----|---|-----|---|------|---|--|
| IWFAT | 2251 | Explain networking concepts. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFAT | 2252 | Explain laptop features and characteristics. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFAT | 2253 | Explain printer features and characteristics. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFAT | 2254 | Explain operational procedures. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFAT | 2255 | Explain operating systems. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFAT | 2256 | Explain security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFAT | 2257 | Explain Mobile Devices. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFAT | 2258 | Explain Troubleshooting. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| TOTAL INFORMATION ASSURANCE WORK FORCE A+(IWFAT) STAGE | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 9 | 36.0 | | |
| INFORMATION ASSURANCE WORK FORCE NETWORK+(IWFNT) STAGE | | | | | | | | | | | | | | | | | |
| IWFNT | 2259 | Explain Networking Concepts. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFNT | 2260 | Explain Network Installation and Configuration. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFNT | 2261 | Explain Network Media and Topologies. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFNT | 2262 | Explain Network Management. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFNT | 2263 | Explain Network Security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IWFNT) STAGE | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 5 | 20.0 | | |
| INFORMATION ASSURANCE WORK FORCE SECURITY+(IWFST) STAGE | | | | | | | | | | | | | | | | | |
| IWFST | 2264 | Explain Network Security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFST | 2265 | Explain Operational Security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFST | 2266 | Explain threats and vulnerabilities. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFST | 2267 | Explain cryptography. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFST | 2268 | Explain access control and identity management. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| IWFST | 2269 | Explain application, data and host security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IWFST) STAGE | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 6 | 24.0 | | |
| EQUIPMENT (EQUIP) | | | | | | | | | | | | | | | | | |
| EQUIP | 2436 | Review system troubleshooting on the TDS equipment within the TAOC. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| EQUIP | 2437 | Verify system configuration of tactical data systems within the TAOC. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| EQUIP | 2438 | Plan for deployment of Tactical Data Systems. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |

| TOTAL EQUIPMENT (EQUIP) STAGE | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 3 | 12.0 | | | | |
|---|------|--|-------|---|---|---|---|---|------|---|-----|---|-----|----|------|---|---|---|--|
| MAINTENANCE MANAGEMENT (MMGT) | | | | | | | | | | | | | | | | | | | |
| MMGT | 2615 | Identify the requirements for a Pre-extended Bin (PEB). | B | - | L | - | - | - | * | | 0 | | 0 | | 6.0 | - | - | - | |
| MMGT | 2616 | Ensure the corrective maintenance repair process is being conducted. | B | - | L | - | - | - | * | | 0 | | 0 | | 6.0 | - | - | - | |
| MMGT | 2617 | Identify Critical Low Density SECREP assets and required on-hand quantities. | B | - | L | - | - | - | * | | 0 | | 0 | | 6.0 | - | - | - | |
| MMGT | 2618 | Develop a maintenance section budget. | B | - | L | - | - | - | * | | 0 | | 0 | | 6.0 | - | - | - | |
| MMGT | 2619 | State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR). | B | - | L | - | - | - | * | | 0 | | 0 | | 6.0 | - | - | - | |
| MMGT | 2620 | Conduct a Consolidated Memorandum Receipt (CMR) Review. | B | - | L | - | - | - | * | | 0 | | 0 | | 6.0 | - | - | - | |
| MMGT | 2621 | Draft a Using Unit Responsibility Items (UURI) authorization letter. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| MMGT | 2622 | Explain Recoverable Items Report (WIR) procedures. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| MMGT | 2623 | Submit a maintenance cycle time extension letter. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| MMGT | 2624 | Submit a Product Quality Deficiency Report (PQDR). | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| MMGT | 2650 | Assess maintenance shop performance. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 4.0 | - | - | - | |
| TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 11 | 56.0 | | | | |
| OPERATIONAL MANAGEMENT (OMGT) | | | | | | | | | | | | | | | | | | | |
| OMGT | 2695 | Design a site layout. | B | - | L | - | - | - | * | | 0 | | 0 | | 6.0 | - | - | - | |
| OMGT | 2696 | Prepare and present a command level brief for deployment. | B | - | L | - | - | - | * | | 0 | | 0 | | 6.0 | - | - | - | |
| OMGT | 2697 | Identify Operational Requirements. | B | - | L | - | - | - | * | | 0 | | 0 | | 6.0 | - | - | - | |
| OMGT | 2698 | Provide input for the operational plan. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| OMGT | 2699 | Organize and staff crew for deployment. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |
| OMGT | 2700 | Submit of a Bill of Material (BOM) request. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | |

| | | | | | | | | | | | | | | | | |
|--|------|---|-------|---|---|---|---|---|------|-----|-----|-----|------|------------------------------------|-------|---|
| OMGT | 2701 | Ensure safety procedures and precautions are followed during embarkation, set-up, and maintenance production. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - |
| TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 7 | 34.0 | |
| TOTAL CORE SKILL PHASE (2000 PHASE) | | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 59.0 | 220.0 | |
| MISSION SKILL TRAINING (3000 PHASE EVENTS) | | | | | | | | | | | | | | | | |
| INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE | | | | | | | | | | | | | | | | |
| IAWFAT | 3280 | Explain concepts included in A+ exam 220-801. | B,R,M | E | L | - | - | - | 1095 | 0 | 0 | 0 | 4.0 | 2250, 2251, 2252, 2253, 2254 | - | - |
| IAWFAT | 3281 | Explain concepts included in A+ exam 220-802. | B,R,M | E | L | - | - | - | 1095 | 0 | 0 | 0 | 4.0 | 2255, 2256, 2257, 2258 | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 2 | 8.0 | |
| INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE | | | | | | | | | | | | | | | | |
| IAWFNT | 3282 | Explain concepts included in Network+ exam N10-005. | B,R,M | E | L | - | - | - | 1095 | 0 | 0 | 0 | 4.0 | 2259, 2260, 2261, 2262, 2263 | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 4.0 | |
| INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE | | | | | | | | | | | | | | | | |
| IAWFST | 3283 | Explain concepts included in Security + exam SY0-301. | B,R,M | E | L | - | - | - | 1095 | 0 | 0 | 0 | 4.0 | 2264, 2265, 2266, 2267, 2268, 2269 | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 4.0 | |
| EQUIPMENT (EQUIP) | | | | | | | | | | | | | | | | |
| EQUIP | 3454 | Verify operational configuration of Tactical Data Systems. | B,R,M | - | L | - | - | - | 365 | 0 | 0 | 0 | 4.0 | - | - | - |
| TOTAL EQUIPMENT (EQUIP) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 4.0 | |
| OPERATIONAL MANAGEMENT (OMGT) | | | | | | | | | | | | | | | | |
| OMGT | 3716 | Deploy a maintenance section in support of unit operations. | B | - | L | - | - | - | * | 0 | 0 | 0 | 6.0 | - | - | - |
| OMGT | 3718 | Deploy TDS capability ISO operations order. | B,R,M | - | L | - | - | - | 730 | 0 | 0 | 0 | 20.0 | - | - | - |
| TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 6 | 26.0 | |
| TOTAL MISSION SKILL PHASE (3000 PHASE) | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 11 | 46.0 | |
| CORE PLUS SKILL TRAINING (4000 PHASE EVENTS) | | | | | | | | | | | | | | | | |
| EQUIPMENT (EQUIP) | | | | | | | | | | | | | | | | |
| EQUIP | 4455 | Identify hazards specific to the LRR and MRR. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - |
| EQUIP | 4456 | Review system troubleshooting on a MRR. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - |
| EQUIP | 4457 | Verify the MRR configuration. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - |

| | | | | | | | | | | | | | | | | | |
|--|------|---|-------|---|---|---|---|---|-----|---|-----|-----|-----|--|-------|------------|---|
| EQUIP | 4458 | Review system troubleshooting on a LRR. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| EQUIP | 4459 | Verify the LRR system configuration. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| EQUIP | 4460 | Verify the configuration of the Interrogator Set. | B | - | L | - | - | - | * | 0 | 0 | 0 | 4.0 | - | - | - | |
| TOTAL EQUIPMENT (EQUIP) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 6 | 24.0 | | |
| TOTAL CORE PLUS SKILL PHASE (4000 PHASE) | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 6 | 24.0 | | |
| TOTAL 2000, 3000, AND 4000 PHASE | | | | | | | | | | 0 | 0.0 | 0.0 | 0.0 | 76 | 366.0 | | |
| INSTRUCTOR TRAINING (5000 PHASE EVENTS) | | | | | | | | | | | | | | | | | |
| INSTRUCTOR UNDER TRAINING (IUT) | | | | | | | | | | | | | | | | | |
| BASIC INSTRUCTOR (BI) | | | | | | | | | | | | | | | | | |
| IUT | 5000 | Introduce principles of instruction | B | - | G | - | - | D | * | 0 | 0 | 0 | 2.0 | Recommended by SI or WTI | - | - | - |
| IUT | 5010 | Understand the structure of an event | B | - | G | - | - | D | * | 0 | 0 | 0 | 1.0 | Recommended by SI or WTI | - | - | - |
| IUT | 5020 | Conduct a period of instruction on a T&R event | B | - | G | - | - | D | * | 0 | 0 | 0 | 2.0 | Recommended by SI or WTI | - | - | - |
| TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI) | | | | | | | | | | 0 | 0 | 0 | 0 | 3 | 5.0 | | |
| SENIOR INSTRUCTOR (SI) | | | | | | | | | | | | | | | | | |
| IUT | 5100 | Understand Aviation T&R program | B | - | G | - | - | D | * | 0 | 0 | 0 | 2.0 | 5000, 5010, 5020, 6320 | - | - | - |
| IUT | 5110 | Understand Applicable Community T&R | B | - | G | - | - | D | * | 0 | 0 | 0 | 2.0 | 5000, 5010, 5020, 6320 | - | - | - |
| IUT | 5120 | Understand T&R Administration | B | - | G | - | - | D | * | 0 | 0 | 0 | 2.0 | 5000, 5010, 5020, 6320 | - | - | - |
| IUT | 5130 | Develop a training plan | B,R,M | - | G | - | - | D | 365 | 0 | 0 | 0 | 2.0 | 5000, 5010, 5020, 6320 | - | - | - |
| TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI) | | | | | | | | | | 0 | 0 | 0 | 0 | 4 | 8.0 | | |
| TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT) | | | | | | | | | | 0 | 0 | 0 | 0 | 7 | 13.0 | | |
| REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE) | | | | | | | | | | | | | | | | | |
| CERTIFICATION (CERT) | | | | | | | | | | | | | | | | | |
| CERT | 6200 | Certification as a COMPTIA A+ Technician. | B | - | L | - | - | L | * | 0 | 0 | 0 | 4.0 | 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281 | - | 3280, 3281 | - |
| CERT | 6201 | Certification as a COMPTIA Network+ Technician. | B | - | L | - | - | L | * | 0 | 0 | 0 | 4.0 | 2259, 2260, 2261, 2262, 2263, 3282 | - | 3282 | - |
| CERT | 6202 | Certification as a COMPTIA Security+ Technician. | B | - | L | - | - | L | * | 0 | 0 | 0 | 4.0 | 2264, 2265, 2266, 2267, 2268, 2269, 3283 | - | 3283 | - |
| TOTAL CERTIFICATION STAGE (CERT) | | | | | | | | | | 0 | 0 | 0 | 0 | 3 | 12.0 | | |
| DESIGNATIONS (DESG) | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|--|------|---|---|---|---|---|---|---|---|---|-----|---|-----|---|------|---|---|--|
| DESG | 6306 | DATA SYSTEMS MAINTENANCE OFFICER (DSMO) | B | - | L | - | - | L | * | 0 | 0 | 0 | 1.0 | 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044 | - | - | - | |
| DESG | 6320 | Designation as a Basic Instructor (BI). | B | - | L | - | - | L | * | 0 | 0 | 0 | 1.0 | 5000, 5010, 5020 | - | - | - | |
| DESG | 6321 | Designation as a Senior Instructor (SI). | B | - | L | - | - | L | * | 0 | 0 | 0 | 1.0 | 5000, 5010, 5020, 5100, 5110, 5120, 5130 | - | - | - | |
| DESG | 6322 | Designation as a Weapons and Tacitics Instructor (WTI). | B | - | L | - | - | L | * | 0 | 0 | 0 | 1.0 | 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 6000, 6306, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044 | - | - | - | |
| TOTAL DESIGNATIONS STAGE (DESG) | | | | | | | | | | 0 | 0 | 0 | 0 | 4 | 4.0 | | | |
| SCHOOL CODES (SCHL) | | | | | | | | | | | | | | | | | | |
| SCHL | 6022 | Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102) | B | - | G | - | - | - | * | 0 | 0 | 0 | 0 | - | - | - | - | |
| SCHL | 6023 | Link 16 Joint Interoperability Course (US-109) | B | - | G | - | - | - | * | 0 | 0 | 0 | 0.0 | - | - | - | - | |
| SCHL | 6024 | Multi TDL Planner Course (JT- 201) | B | - | G | - | - | - | * | 0 | 0 | 0 | 0.0 | - | - | - | - | |
| SCHL | 6025 | Link 16 Unit Manager (LUM) Course (JT-220) | B | - | G | - | - | - | * | 0 | 0 | 0 | 0.0 | - | - | - | - | |
| TOTAL SCHOOL CODES STAGE (SCHL) | | | | | | | | | | 6 | 0 | 0 | 0 | 0 | 0.0 | | | |
| TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD) | | | | | | | | | | 6 | 0.0 | 0 | 0.0 | 7 | 16.0 | | | |

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6.19 ADDITIONAL MATRICES. None

6.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None

6.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

6.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None

CHAPTER 7

TACTICAL DATA SYSTEMS ADMINISTRATOR (MOS 5974)/INDIVIDUAL TRAINING AND
READINESS REQUIREMENTS

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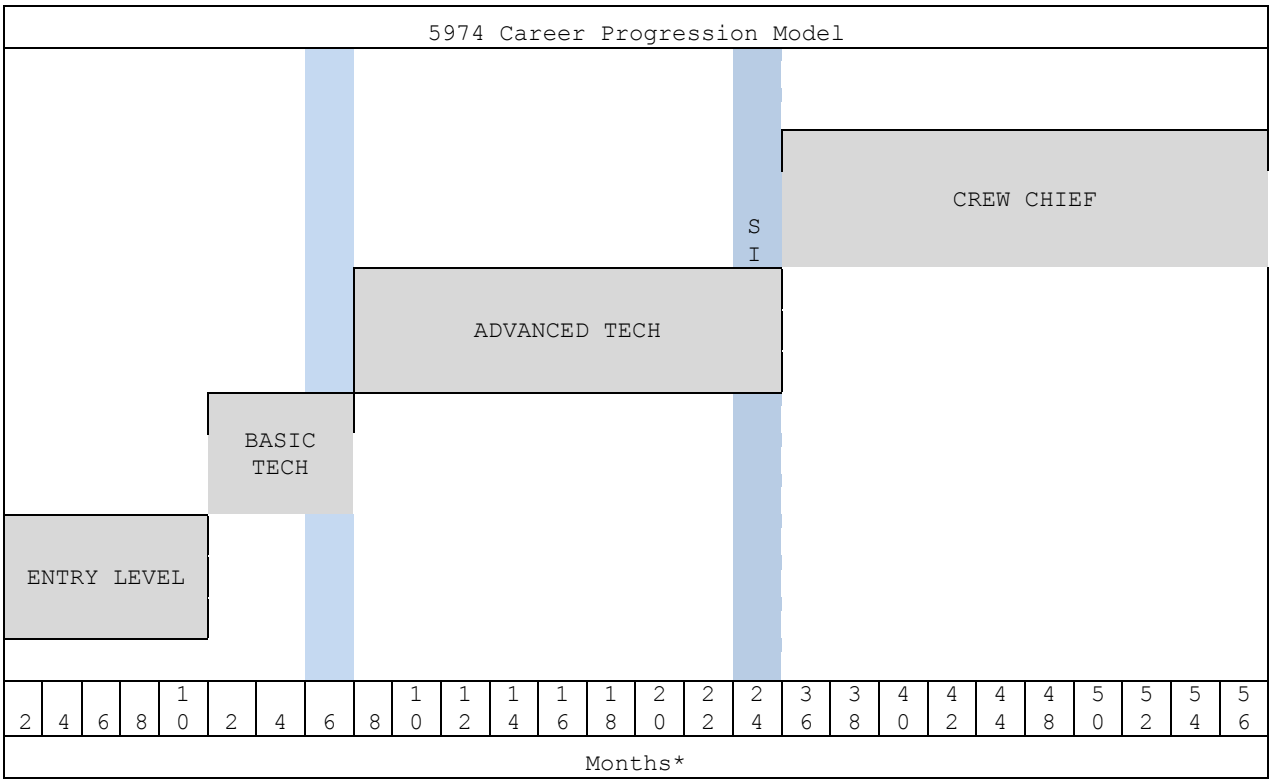
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CHAPTER 7

TACTICAL DATA SYSTEMS ADMINISTRATOR/5974
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

7.0 TACTICAL DATA SYSTEMS ADMINISTRATOR /5974 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

7.1 5974 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Aviation Communications Systems Technician crewmember. Units should use the model as a point of departure to generate individual training plans.



* Months indicated are training months, not calendar months.

7.2 ABBREVIATIONS

| TAOC MAINTENANCE MOS 5974 | |
|--|--|
| CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS | |
| CORE SKILL (2000 Phase) | |
| CD | COLLATERAL DUTY |
| CMN | MACCS MAINTENANCE COMMON |
| COMSEC | COMMUNICATION SECURITY |
| EQUIP | EQUIPMENT |
| FAM | FAMILIARIZATION |
| IAWFAT | INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN |

| TAOC MAINTENANCE MOS 5974 | |
|---|--|
| CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS | |
| CORE SKILL (2000 Phase) | |
| IAWFNT | INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN |
| IAWFST | INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN |
| MMGT | MAINTENANCE MANAGEMENT |
| OMGT | OPERATIONAL MANAGEMENT |
| TMDE | TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT |
| MISSION SKILL (3000 Phase) | |
| EQUIP | EQUIPMENT |
| EWC | EARLY WARNING AND CONTROL SITE |
| IAWFAT | INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN |
| IAWFNT | INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN |
| IAWFST | INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN |
| MMGT | MAINTENANCE MANAGEMENT |
| OMGT | OPERATIONAL MANAGEMENT |
| TAOC | TACTICAL AIR OPERATIONS CENTER |
| CORE PLUS (4000 Phase) | |
| DLC | DATA LINK COORDINATOR |
| MACG | MARINE AIR CONTROL GROUP |
| MMGT | MAINTENANCE MANAGEMENT |
| OMGT | OPERATIONAL MANAGEMENT |
| INSTRUCTOR (5000 Phase) | |
| BI | BASIC INSTRUCTOR |
| SI | SENIOR INSTRUCTOR |
| CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase) | |
| TDSABT | TACTICAL DATA SYSTEM ADMINISTRATOR BASIC TECHNICIAN |
| TDSAAT | TACTICAL DATA SYSTEM ADMINISTRATOR ADVANCED TECHNICIAN |
| TDSCC | TACTICAL DATA SYSTEM CREW CHIEF |
| CAT | COMPTIA A+ TECHNICIAN |
| CNT | COMPTIA NETWORK+ TECHNICIAN |
| CST | COMPTIA SAFETY+ TECHNICIAN |
| SAF CD | SAFETY COLLATERAL DUTY |
| HAZMAT CD | HAZARDOUS MATERIAL COLLATERAL DUTY |
| PUB CD | PUBLICATIONS COLLATERAL DUTY |
| TRNG CD | TRAINING COLLATERAL DUTY |
| TOOLS CD | TOOLS COLLATERAL DUTY |
| CAL CD | CALIBRATIONS COLLATERAL DUTY |
| MOD CD | MODIFICATIONS COLLATERAL DUTY |
| EMB CD | EMBARK COLLATERAL DUTY |
| MIMMS CD | MIMMS COLLATERAL DUTY |
| QC CD | QUALITY CONTROL COLLATERAL DUTY |

7.3 DEFINITIONS

| TERM | DEFINITION |
|------------------------|---|
| Core Model | The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices |
| Core Skill | Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase. |
| Mission Skill | Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event(s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events. |
| Core Plus Skill | Training events that can be theater specific or that have a low likelihood of occurrence. They may be Fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events. |

| TERM | DEFINITION |
|---|--|
| Core Plus Mission | Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events. |
| Core Skill Proficiency (CSP) | CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP. |
| Mission Skill Proficiency (MSP) | MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness. |
| Core Plus Skill Proficiency (CPSP) | CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP. |
| Core Plus Mission Proficiency (CPMP) | CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP. |
| MET Phase | This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams. |

7.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

7.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

7.4.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts towards CMMR Unit CSP requirements for that Core Skill.

7.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.

7.4.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

Note

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills while maintaining proficiency in other Core/Mission/Core Plus Skills.

7.4.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that Skill.

Note

See Chapter 2 for amplifying information on POI updating.

| | |
|---|-----------------|
| TAOC MAINTENANCE MOS 5974 | |
| ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI | |
| ATTAIN PROFICIENCY | MAINTAIN |

| BASIC POI | | REFRESHER POI | | PROFICIENCY | |
|--------------------------------|-------|---------------|-------|-------------|-------|
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| CORE SKILL (2000 Phase) | | | | | |
| CMN | 2150 | | | | |
| CMN | 2151 | | | | |
| CMN | 2152 | | | | |
| CMN | 2153 | | | | |
| CMN | 2154R | CMN | 2154R | | |
| CMN | 2156 | | | | |
| CMN | 2157 | | | | |
| CMN | 2158 | | | | |
| CMN | 2159R | CMN | 2159R | | |
| TMDE | 2173R | TMDE | 2173R | | |
| TMDE | 2175R | TMDE | 2175R | | |
| TMDE | 2180R | TMDE | 2180R | | |
| COMSEC | 2190R | COMSEC | 2190R | COMSEC | 2190R |
| COMSEC | 2191R | COMSEC | 2191R | COMSEC | 2191R |
| COMSEC | 2192R | COMSEC | 2192R | COMSEC | 2192R |
| COMSEC | 2193R | COMSEC | 2193R | COMSEC | 2193R |
| COMSEC | 2194R | COMSEC | 2194R | | |
| COMSEC | 2195R | COMSEC | 2195R | COMSEC | 2195R |
| COMSEC | 2196 | | | | |
| COMSEC | 2197 | | | | |
| COMSEC | 2198 | | | | |
| COMSEC | 2199R | COMSEC | 2199R | COMSEC | 2199R |
| FAM | 2210 | | | | |
| FAM | 2214 | | | | |
| FAM | 2217 | | | | |
| FAM | 2219 | | | | |
| FAM | 2220 | | | | |
| FAM | 2221 | | | | |
| FAM | 2222 | | | | |
| FAM | 2223 | | | | |
| CD | 2230R | CD | 2230R | | |
| CD | 2231 | | | | |
| CD | 2232 | | | | |
| CD | 2233 | | | | |
| CD | 2234 | | | | |
| CD | 2235 | | | | |
| CD | 2236 | | | | |
| CD | 2237 | | | | |
| CD | 2238 | | | | |
| CD | 2241R | CD | 2241R | CD | 2241R |
| CD | 2243 | | | | |
| IWFAT | 2250 | | | | |
| IWFAT | 2251 | | | | |
| IWFAT | 2252 | | | | |
| IWFAT | 2253 | | | | |
| IWFAT | 2254 | | | | |
| IWFAT | 2255 | | | | |
| IWFAT | 2256 | | | | |
| IWFAT | 2257 | | | | |
| IWFAT | 2258 | | | | |
| IWFNT | 2259 | | | | |
| IWFNT | 2260 | | | | |
| IWFNT | 2261 | | | | |
| IWFNT | 2262 | | | | |
| IWFNT | 2263 | | | | |
| IWFST | 2264 | | | | |
| IWFST | 2265 | | | | |
| IWFST | 2266 | | | | |
| IWFST | 2267 | | | | |
| IWFST | 2268 | | | | |

| TAOC MAINTENANCE MOS 5974 | | | | | |
|--|--------------|---------------|--------------|-------------|--------------|
| ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI | | | | | |
| ATTAIN PROFICIENCY | | | | MAINTAIN | |
| BASIC POI | | REFRESHER POI | | PROFICIENCY | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| IWFST | 2269 | | | | |
| EQUIP | 2380 | | | | |
| EQUIP | 2381 | | | | |
| EQUIP | 2407 | | | | |
| EQUIP | 2408 | | | | |
| EQUIP | 2409 | | | | |
| EQUIP | 2410 | | | | |
| EQUIP | 2411 | | | | |
| EQUIP | 2412R | EQUIP | 2412R | EQUIP | 2412R |
| EQUIP | 2413R | EQUIP | 2413R | EQUIP | 2413R |
| EQUIP | 2414R | EQUIP | 2414R | EQUIP | 2414R |
| EQUIP | 2415 | | | | |
| EQUIP | 2416R | EQUIP | 2416R | EQUIP | 2416R |
| EQUIP | 2417R | EQUIP | 2417R | | |
| EQUIP | 2418R | EQUIP | 2418R | | |
| EQUIP | 2419R | EQUIP | 2419R | | |
| EQUIP | 2420R | EQUIP | 2420R | | |
| EQUIP | 2421R | EQUIP | 2421R | | |
| EQUIP | 2422R | EQUIP | 2422R | | |
| EQUIP | 2423R | EQUIP | 2423R | | |
| MMGT | 2601 | | | | |
| MMGT | 2602R | MMGT | 2602R | | |
| MMGT | 2603 | | | | |
| MMGT | 2606 | | | | |
| MMGT | 2607 | | | | |
| MMGT | 2612 | | | | |
| MMGT | 2614 | | | | |
| OMGT | 2680 | | | | |
| OMGT | 2681R | OMGT | 2681R | OMGT | 2681R |
| OMGT | 2682R | OMGT | 2682R | OMGT | 2682R |
| OMGT | 2683 | | | | |
| OMGT | 2684 | | | | |
| OMGT | 2685 | | | | |
| OMGT | 2686R | OMGT | 2686R | OMGT | 2686R |
| OMGT | 2687 | | | | |
| OMGT | 2688R | OMGT | 2688R | OMGT | 2688R |
| OMGT | 2689 | | | | |
| OMGT | 2690 | | | | |
| OMGT | 2691 | | | | |
| OMGT | 2692 | | | | |
| OMGT | 2693 | | | | |
| OMGT | 2694R | OMGT | 2694R | | |
| MISSION SKILL (3000 Phase) | | | | | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| IAWFAT | IAWFAT-3280R | IAWFAT | IAWFAT-3280R | IAWFAT | IAWFAT-3280R |
| | IAWFAT-3281R | | IAWFAT-3281R | | IAWFAT-3281R |
| IAWFNT | IAWFNT-3282R | IAWFNT | IAWFNT-3282R | IAWFNT | IAWFNT-3282R |
| IAWFST | IAWFST-3283R | IAWFST | IAWFST-3283R | IAWFST | IAWFST-3283R |
| EQUIP | EQUIP-3461R | EQUIP | EQUIP-3461R | EQUIP | |
| | EQUIP-3462 | | | | |
| | EQUIP-3463 | | | | |
| | EQUIP-3464R | | EQUIP-3464R | | EQUIP-3464R |
| MMGT | MMGT-3660 | MMGT | | MMGT | |
| | MMGT-3661R | | MMGT-3661R | | MMGT-3661R |
| OMGT | OMGT-3710R | OMGT | OMGT-3710R | OMGT | OMGT-3710R |
| | OMGT-3711 | | | | |
| | OMGT-3713R | | OMGT-3713R | | OMGT-3713R |

| TAOC MAINTENANCE MOS 5974 | | | | | |
|--|-----------|---------------|-------|-------------|-------|
| ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI | | | | | |
| ATTAIN PROFICIENCY | | | | MAINTAIN | |
| BASIC POI | | REFRESHER POI | | PROFICIENCY | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| | OMGT-3715 | | | | |
| CORE PLUS (4000 Phase) | | | | | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| DLC | 4320 | | | | |
| DLC | 4321 | | | | |
| DLC | 4322 | | | | |
| DLC | 4323 | | | | |
| DLC | 4324 | | | | |
| DLC | 4325 | | | | |
| DLC | 4326R | DLC | 4326R | DLC | 4326R |
| DLC | 4327R | DLC | 4327R | DLC | 4327R |
| DLC | 4328R | DLC | 4328R | DLC | 4328R |
| DLC | 4329R | DLC | 4329R | DLC | 4329R |
| DLC | 4330R | DLC | 4330R | DLC | 4330R |
| DLC | 4331R | DLC | 4331R | DLC | 4331R |
| DLC | 4332R | DLC | 4332R | DLC | 4332R |
| DLC | 4333 | | | | |
| DLC | 4335 | | | | |
| DLC | 4336 | | | | |
| DLC | 4337 | | | | |
| DLC | 4338 | | | | |
| MMGT | 4600 | | | | |
| MMGT | 4604 | | | | |
| MMGT | 4605 | | | | |
| MMGT | 4608R | MMGT | 4608R | | |
| MMGT | 4609 | | | | |
| MMGT | 4610 | | | | |
| MMGT | 4611 | | | | |
| MMGT | 4613 | | | | |
| MMGT | 4662 | | | | |
| OMGT | 4714 | | | | |
| MACG | 4750R | MACG | 4750R | MACG | 4750R |
| MACG | 4751R | MACG | 4751R | MACG | 4751R |
| MACG | 4752R | MACG | 4752R | MACG | 4752R |
| MACG | 4753R | MACG | 4753R | MACG | 4753R |
| MACG | 4754R | MACG | 4754R | MACG | 4754R |
| MACG | 4755R | MACG | 4755R | MACG | 4755R |
| MACG | 4756R | MACG | 4756R | MACG | 4756R |
| "S" PREFIX AND BLUE FONT = SIMULATOR EVENT | | | | | |
| "R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT | | | | | |

7.5 REQUIREMENT, CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency for select certifications, qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed in training Performance Records and NATOPS. See Chapter 6 of the Aviation T&R Program Manual on regaining lost qualifications.

7.5.1 INSTRUCTOR DESIGNATIONS

| |
|---------------------------|
| TAOC MAINTENANCE MOS 5974 |
|---------------------------|

| INSTRUCTOR DESIGNATIONS (5000 Phase) | |
|--------------------------------------|--|
| INSTRUCTOR DESIGNATION | EVENTS |
| BASIC INSTRUCTOR (BI) | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 5000, 5010, 5020, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 |
| SENIOR INSTRUCTOR (SI) | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 |

7.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

| TAOC MAINTENANCE MOS 5974 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase) | |
|---|--|
| RCQD | EVENTS |
| Qualification as an Tactical Data Systems Basic Technician (TDSABT). QUAL-6104 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 |
| Qualification as an Tactical Data Systems Administrator Advanced Technician (TDSAAT). QUAL-6105 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 |
| Certification as a COMPTIA A+ Technician. CERT-6200 | 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281 |
| Certification as a COMPTIA Network+ Technician. CERT-6201 | 2259, 2260, 2261, 2262, 2263, 3282 |
| Certification as a COMPTIA Security+ Technician. CERT-6203 | 2264, 2265, 2266, 2267, 2268, 2269, 3283 |
| Designation as a Tactical Data Systems Crew Chief (TDSACC). DESG-6307 | 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2213, 2214, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3463, 3464, 3660, 3661, 3710, 3711, 3713, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 |
| Designation as a Maintenance Safety NCO. DESG-6340 | 2230, 2235, 2236 |
| Designation as a Maintenance HAZMAT NCO. DESG-6341 | 2230, 2235, 2236 |
| Designation as a Maintenance Publications NCO. DESG-6342 | 2230, 2234 |
| Designation as a Maintenance Tools NCO. DESG-6343 | 2230, 2233 |
| Designation as a Maintenance Calibrations NCO. DESG-6344 | 2230, 2231 |
| Designation as a Maintenance Modifications NCO. DESG-6345 | 2230, 2232, 2234 |
| Designation as a Maintenance Embarkation NCO. DESG-6346 | 2230, 2237 |
| Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO. DESG-6347 | 2159, 2230, 2602 |
| Designation as a Maintenance Training NCO. DESG-6348 | 2230 |
| Designation as a Maintenance Quality Control (QC) NCO. DESG-6351 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, |

| TAOC MAINTENANCE MOS 5974 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase) | |
|---|--|
| RCQD | EVENTS |
| | 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 |

7.6 5974 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

7.6.1 Basic POI

| TAOC MAINTENANCE 5974 BASIC POI | | |
|------------------------------------|----------------------------------|-------------------|
| WEEKS ¹ | PHASE OF INSTRUCTION | UNIT RESPONSIBLE |
| 0-40 | CORE SKILL INTRODUCTION TRAINING | MCCES |
| 41-70 | CORE SKILL TRAINING | TACTICAL SQUADRON |
| 71-119 | MISSION SKILL TRAINING | TACTICAL SQUADRON |
| 119-123 | CORE PLUS | TACTICAL SQUADRON |

7.6.2 Refresher POI

| TAOC MAINTENANCE MOS 5974 REFRESHER POI | | |
|--|------------------------|-------------------|
| WEEKS ¹ | PHASE OF INSTRUCTION | UNIT RESPONSIBLE |
| VARIES | CORE SKILL TRAINING | TACTICAL SQUADRON |
| VARIES | MISSION SKILL TRAINING | TACTICAL SQUADRON |
| VARIES | CORE PLUS | TACTICAL SQUADRON |

NOTE 1: TRAINING DURATIONS VARIES BY POSITION BEING TRAINED. SEE PROGRESSION MODEL FOR NOTIONAL TRAINING TIMES.

7.7 SYLLABUS NOTES

7.7.1 Environmental Conditions Matrix

| Environmental Conditions | |
|---|---|
| Code | Meaning |
| D | Shall be conducted during hours of daylight: (by exception - there is no use of a symbol) |
| N | Shall be conducted during hours of darkness, may be aided or unaided |
| N* | Shall be conducted during hours of darkness must be unaided |
| (N*) | May be conducted during hours of darkness - If conducted during hours of darkness must be unaided |
| (N) | May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided |
| NS | Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices |
| (NS) | May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices |
| Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event. | |

7.7.2 Device Matrix

| DEVICE | |
|--------|---|
| Symbol | Meaning |
| L | Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event. |

| | |
|--|---|
| L/S | Event performed live preferred/simulator optional. |
| S/L | Event performed in simulator preferred/live optional. |
| G | Ground/academic training. May include Distance Learning, CBT, lectures, self paced. |
| CBT | Computer Based Training |
| LAB | Laboratory |
| LEC | Lecture |
| CP | Command Post |
| TEN | Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station. |
| TEN+ | Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement. |
| Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event. | |

7.7.3 Program of Instruction Matrix

| PROGRAM OF INSTRUCTION MATRIX | | |
|-------------------------------|----------|--|
| Program of Instruction (POI) | Symbol | Aviation Ground |
| Basic | B | Initial MOS Training |
| Refresher | R | Return to community from non (MOS/Skill) associated tour |
| Maintain | M | All individuals who have attained CSP/MSP/CP by initial POI assignment are re-assigned to the M POI to maintain proficiency. |

7.7.4 Event Terms

| EVENT TERMS | |
|-------------|--|
| TERM | DESCRIPTION |
| Discuss | An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures. |
| Demonstrate | The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event. |
| Introduce | The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for knowledge of the procedures. |
| Practice | The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance. |
| Review | Demonstrated proficiency of an event by the student. |
| Evaluate | Any event designed to evaluate team/crew standardization that does not fit another category. |
| E-Coded | This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.) |

7.8 ACADEMIC PHASE (0000)

7.8.1 Purpose. **RESERVED FOR FUTURE USE**

7.8.2 General

7.8.2.1 Admin Notes.

7.8.2.2 Prerequisites.

7.8.2.3 Stages.

7.9 CORE SKILL INTRODUCTION PHASE (1000)

7.9.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5974 TACTICAL DATA SYSTEMS ADMINISTRATOR. This training is completed upon graduation from the TACTICAL DATA SYSTEMS ADMINISTRATOR Course.

7.9.2 General.

7.9.2.1 Prerequisite. Meet the requirement delineated in the MOS Manual (MCBul 1200).

7.9.2.2 Admin Notes. None

7.9.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

| PAR NO. | STAGE NAME |
|---------|--------------------|
| 7.9.3 | AIR SCHOOLS (AIRS) |

7.9.3 AIR SCHOOLS (AIRS) STAGE

7.9.3.1 Purpose. To provide entry-level instruction to develop the basic skills necessary to configure, setup, administer ADPE, and conduct maintenance on assigned equipment. This training phase is complete upon graduation and assigned primary MOS.

7.9.3.2 General

Prerequisite. (1) Graduate from the Basic Electronics Course (CID: M092721);
(2) Meet the 5974 requirements delineated in the MOS Manual.

Admin Notes. Tactical Data Systems Administrators Course (CID: M09DZC1), MCCES, located in 29 Palms, CA.

Crew Requirements. None.

AIRS-1070 * B E G

Goal. Configure the PDS.

Requirement. Given the references, a Processing and Display System (PDS), and a simulated communication plan; configure the following:

1. Configure the Operations Trailer.
2. Configure Servers.

3. Configure operator workstations.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/1 System Users Manual (SUM)

AIRS-1071 * B E G

Goal. Maintain data circuits with the PDS.

Requirement. Given the references, a Processing and Display System (PDS), and a simulated communication plan:

1. Perform an operational check of data circuits.
2. Maintain data circuits.
3. Maintain operations trailer.
4. Maintain servers.
5. Maintain operations facility.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/1 System Users Manual (SUM)

AIRS-1072 * B E G

Goal. Manage Windows based systems.

Requirement. Conduct the following:

1. Manipulate the Windows file system.
2. Set owner permissions on Windows objects.

3. Set file permissions on Windows objects.
4. Perform text editing with Microsoft Products.
5. Configure the BIOS.
6. Configure On board RAID controller.
7. Install Windows Operating System.
8. Manage memory on Windows systems.
9. Manage processes on Windows systems.
10. Manage local users.
11. Create Windows back-ups.
12. Perform recovery of Windows from backup.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.3
2. MCWP 3-25.4
3. DNS on windows 2000 ISBN #0-596-00230-0
4. Windows Server Cookbook ISBN #0-596-00633-0
5. Windows NT in a Nutshell ISBN #1-56592-251-4
6. Essential Windows NT ISBN #1-56592-274-3
7. TCP/IP Network Administration ISBN #1-56592-322-7
8. Active Directory ISBN #0-596-00466-4

AIRS-1074 * B E G

Goal. Manage UNIX based systems.

Requirement. Conduct the following:

1. Manipulate the UNIX file system.
2. Set owner permissions on UNIX objects.
3. Set file permissions on UNIX objects.
4. Utilize UNIX shells.
5. Perform text editing with UNIX Software.
6. Configure Solaris OpenBoot PROM.
7. Utilize UNIX administrative Tools.
8. Install UNIX Operating System.
9. Manage memory on UNIX systems.
10. Manage processes on UNIX systems.
11. Create back-ups for UNIX systems.
12. Perform recovery of UNIX from backup.
13. Analyze UNIX script files.
14. Edit UNIX Script files.
15. Manage local user accounts.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unix in a Nutshell ISBN # 1-56592-001-5
2. Essential System Administration 3rd edition ISBN # 0-596-0034-9
3. Essential System Administration 2nd edition ISBN #0-937175-80-3
4. Essential System Administration ISBN # 0-937175-80-3
5. Solaris System Administration Guide 2nd edition ISBN 1-57870-40-x
6. Marine Net- Memory, Motherboards, and Processors course code-123905

AIRS-1075 * B E G

Goal. Manage Networked Operating Systems (NOS).

Requirement. Given a network site diagram, conduct the following:

1. Configure UNIX networking components.
2. Configure Windows networking components.
3. Configure network services.
4. Configure NFS.
5. Configure DFS.
6. Manage Active Directory.
7. Configure network attached storage device.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Active Directory ISBN #0-596-00466-4
2. Managing NFS and NIS ISBN #0-937175-75-7
3. Kerberos the definitive guide ISBN #0-596-00403-6
4. The Official Samba-3 how to and reference guide ISBN #0-13-145355-6
5. Marine Net - Basic Networking course code-123906
6. Solaris Performance administration ISBN #0-07-011768-3
7. Essential System Administration 3rd edition ISBN # 0-596-0034-9
8. Essential System Administration 2nd edition ISBN #0-937175-80-3
9. Essential System Administration ISBN # 0-937175-80-3

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
2. Introduction to VMware vSphere
http://www.vmware.com/pdf/vsphere4/r41/vsp_41_intro_vs.pdf
3. Installation Guide for the Combat Operations Center Virtual Center Server 1.0.0.0 Build 7 for AN/TSQ-239(V)2, (V)3, and (V)4 Software Release Package 5.3.0.0 Build 1 Restore Media
4. Intelligence Analysis System (IAS) Intelligence Server - UNIX (IS-U) 5.0.2.0 System Administrator's Manual (SAM) for the Sun SPARC T5140 and Sun Netra T2000

AIRS-1078 * B E G

Goal. Configure TBMCS remotes.

Requirement. Configure the following:

1. Configure TBMCS remote.
2. Configure TBMCS applications.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SysAd Training Lessons TBMCS Version 1.1.3 System Administration SUM
2. TBMCS Software Users Manual
3. LOAD APP C - TACC
4. TBMCS Spiral 1.1.3 Sums

AIRS-1079 * B E G

Goal. Configure Network Security.

Requirement. Given a network diagram, Windows computer(s), UNIX computer(s), switch(es), and router(s) conduct the following:

1. Configure computer security components.
2. Configure security on switches.
3. Configure security on routers.
4. Construct ACL.
5. Install firewall.

6. Initialize JREAP-C.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

ADSI Installation and Configuration Guide

AIRS-1086 * B E G

Goal. Establish all Joint Range Extension Application Protocol (JREAP) types with a JRE.

Requirement. Given a JRE, perform the following:

1. Configure JREAP-A.
2. Initialize JREAP-A.
3. Configure JREAP-B.
4. Initialize JREAP-B.
5. Configure JREAP-C.
6. Initialize JREAP-C.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

ADSI Installation and Configuration Guide

AIRS-1087 * B E G

Goal. Establish Link-16.

Requirement. Given the JRE, establish Link-16 by performing the following:

1. Configure the JRE for Link-16.
2. Configure the MIDS Terminal.

3. Initialize Link-16.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 5985-24/27
2. ADSI Installation and Configuration Guide

AIRS-1088 * B E G

Goal. Establish Link-16.

Requirement. Given the CDLS, establish Link-16 by performing the following:

1. Configure the ADSI for Link-16.
2. Configure the MIDS Terminal.
3. Initialize Link-16.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 5985-24/27
2. ADSI Installation and Configuration Guide

AIRS-1089 * B E G

Goal. Establish Link-11.

Requirement. Given a CDLS, establish Link-11 by performing the following:

1. Configure the data terminal set.
2. Configure the crypto device.
3. Configure the UHF radio set.

Requirement. Conduct the following:

1. Identify different versions of Windows.
2. Identify capabilities of Windows versions.
3. Describe the Windows file system.
4. Describe text editing with Microsoft products.
5. Describe the BIOS.
6. Explain the Windows boot process.
7. Describe the Windows administrative tools.
8. Describe RAID.
9. Describe on-board RAID controller.
10. Describe installation procedures for Windows Operating System.
11. Describe memory management on Windows systems.
12. Describe process management on Windows systems.
13. Describe procedures to create local users.
14. Describe procedures to create back-ups of Windows.
15. Describe procedures to recover Windows from backup.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.3
2. MCWP 3-25.4
3. DNS on windows 2000 ISBN #0-596-00230-0
4. Windows Server Cookbook ISBN #0-596-00633-0
5. Windows NT in a Nutshell ISBN #1-56592-251-4
6. Essential Windows NT ISBN #1-56592-274-3
7. TCP/IP Network Administration ISBN #1-56592-322-7
8. Active Directory ISBN #0-596-00466-4

AIRS-1092 * B E G

Goal. Describe UNIX based systems.

Requirement. Conduct the following:

1. Identify different versions of UNIX.
2. Identify capabilities of different UNIX versions.
3. Describe the UNIX file system.
4. Describe UNIX shells.
5. Describe text editing with UNIX Software.
6. Describe the Solaris OpenBoot PROM.
7. Describe the Solaris boot process.
8. Describe UNIX administrative Tools.
9. Describe Installation of UNIX Operating System.
10. Describe memory management on UNIX systems.

11. Describe process management on UNIX systems.
12. Describe back-up procedures for UNIX.
13. Describe the recovery procedures for UNIX systems.
14. Describe UNIX script files.
15. Identify Linux similarities.
16. Identify Linux differences.
17. Describe local user accounts.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unix in a Nutshell ISBN # 1-56592-001-5
2. Essential System Administration 3rd edition ISBN # 0-596-0034-9
3. Essential System Administration 2nd edition ISBN #0-937175-80-3
4. Essential System Administration ISBN # 0-937175-80-3
5. Solaris System Administration Guide 2nd edition ISBN 1-57870-40-x
6. Marine Net- Memory, Motherboards, and Processors course code-123905

AIRS-1093 * B E G

Goal. Describe Tactical Data Systems (TDS) Networks.

Requirement. Conduct the following:

1. Identify Transfer Control Protocol/Internet Protocol (TCP/IP) layers.
2. Identify TCP/IP protocols.
3. Identify TCP/IP ports.
4. Identify TCP/IP sockets.
5. Describe Site Diagrams.
6. Describe Star Topology.
7. Describe Network Cables.
8. Describe Switches.
9. Describe Ethernet Communication.
10. Describe Internet Protocol Version 4 (IPV4) network addresses.
11. Describe Routers.
12. Describe Static Routing.
13. Describe Enhanced Interior Gateway Routing Protocol (EIGRP).
14. Describe Class C Subnetting.
15. Describe Classless Inter-Domain Routing (CIDR) notation.
16. Describe Variable Length Subnetting Mask (VLSM).
17. Describe Virtual Local Area Network (VLANS).

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TCP/IP Network Administration ISBN #1-56592-322-7
2. Computer Network and Internets
3. Data Communication Network Devices ISBN #0-471-97515-x
4. Essential System Administration ISBN #0-596-00343-9
5. Cisco Router 24 Seven Sybex manual

AIRS-1094 * B E G

Goal. Describe Networked Operating Systems (NOS).

Requirement. Conduct the following:

1. Describe UNIX networking components.
2. Describe Windows networking components.
3. Describe network services.
4. Describe Network File System (NFS).
5. Describe Distributed File System (DFS).
6. Describe Active Directory.
7. Describe Kerberos.
8. Describe Samba.
9. Describe network attached storage device.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Active Directory ISBN #0-596-00466-4
2. Managing NFS and NIS ISBN #0-937175-75-7
3. Kerberos the definitive guide ISBN #0-596-00403-6
4. The Official Samba-3 how to and reference guide ISBN #0-13-145355-6
5. Marine Net - Basic Networking course code-123906
6. Solaris Performance administration ISBN #0-07-011768-3
7. Essential System Administration 3rd edition ISBN #0-596-0034-9
8. Essential System Administration 2nd edition ISBN #0-937175-80-3
9. Essential System Administration ISBN # 0-937175-80-3
10. Solaris 2.6 Administration certification part 1 ISBN 1-57870-

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 6011A
2. TM M1108
3. KG-40A User's Manual
4. TM 09780A-13 P/1
5. TM 8076000505

AIRS-1097 * B E G

Goal. Describe Link-11B.

Requirement. Conduct the following:

1. Describe the characteristics of Link-11B.
2. Describe modem operations.
3. Describe the modem.
4. Describe the function of crypto device.
5. Describe NATO Link 1.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 6011A
2. ADSI Hardware Description Document
3. KIV-7 HSB User's Manual
4. ADSI Installation and Configuration Guide
5. STANAG 5501

AIRS-1098 * B E G

Goal. Describe Link-16.

Requirement. Describe the following:

1. Describe the characteristics of Link-16.
2. Describe the function of the MIDS Terminal.
3. Describe the components of the MIDS Terminal.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 6016
2. TM 5985-24/27
3. ADSI Installation and Configuration Guide

AIRS-1099 * B E G

Goal. Describe Joint Range Extension Application Protocol (JREAP).

Requirement. Describe the following:

1. Describe the characteristics of JREAP-A.
2. Describe the characteristics of JREAP-B.
3. Describe the characteristics of JREAP-C.
4. Describe hardware needed to establish JREAP-A.
5. Describe hardware needed to establish JREAP-B.
6. Describe hardware needed to establish JREAP-C.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 3011 Appendix A
2. MIL-STD 3011 Appendix B
3. MIL-STD 3011 Appendix C

AIRS-1100 * B E G

Goal. Describe Link Management System Multi Tactical Data Link (LMS-MT).

Requirement. Describe the following:

1. Describe the LMS-MT.
2. Describe installation of LMS-MT.
3. Describe LMS-MT software configuration.
4. Describe LMS-MT hardware configuration.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11655A-OD

AIRS-1101 * B E G

Goal. Describe Intelligence Operations Server (IOS).

Requirement. Describe the following:

1. Describe the IOS.
2. Describe installation of IOS.
3. Describe Framework configuration.
4. Describe Common Operational Picture (COP).
5. Describe Universal Build (UB).
6. Describe COP Synch Tool (CST) feed.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09858A/10275A-13/1
2. SL-3-10753C

AIRS-1102 * B E G

Goal. Describe TBMCS.

Requirement. Describe the following:

1. Describe TBMCS.
2. Describe TBMCS web remotes.
3. Describe TBMCS applications.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SysAd Training Lessons TBMCS Version 1.1.3 System Administration SUM
2. TBMCS Software Users Manual
3. LOAD APP C - TACC
4. TBMCS Spiral 1.1.3 Sums

AIRS-1103 * B E G

Goal. Describe a virtualized server computing environment.

Requirement. Describe the following:

1. Describe the characteristics of a host operating system.
2. Describe the characteristics of a guest operating system.
3. Describe the menus of the host management utility.
4. Describe high availability.
5. Describe a cluster.
6. Describe virtual machine migration.
7. Describe a virtual machine snapshot.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. Introduction to VMware vSphere
http://www.vmware.com/pdf/vsphere4/r41/vsp_41_intro_vs.pdf
4. Intelligence Analysis System (IAS) Intelligence Server - UNIX (IS-U) 5.0.2.0 System Administrator's Manual (SAM) for the Sun SPARC T5140

5. CPoF Backup Server: Build 3 Ver 1.2.2.1
6. CPoF Master Server: Build 3 Ver 2.1.2.1
7. CPoF Midtier Server: Build 3 Ver 1.2.2.1
8. DC/Exchange Server: Build 3 Ver 1.1.1.0
9. IOS V3 Server: Build 3 Build Ver 1.1.2.1
10. Maintenance Server: Build 3 Ver 1.2.2.1
11. Domain Server: Build 3 Ver 1.1.2.1
12. Exchange Server: Build 3 Ver 1.1.2.1
13. Virtual Center Server: Build 3 Ver 1.0.2.1
14. Windows Basline Client: Build 3 Ver 2.1.2.1
15. Jupiter Server: Build 3 Ver 1.2.2.1
16. Network Administrator Client: Build 3 Ver 1.2.2.1
17. Intelligence Client: Build 3 Ver 2.1.2.1
18. Operations Client: Build 3 Ver 1.2.2.1
19. Logistics Client: Build 3 Ver 1.2.2.1
20. COBRA3 Operations Client: Build 3 Ver 1.0.2.1
21. COBRA3 Windows Client: Build 3 Ver 1.0.2.1

AIRS-1106 * B E G

Goal. Describe Advanced Field Artillery Tactical Data System (AFATDS).

Requirement. Describe the following:

1. Describe AFATDS.
2. Describe AFATDS hardware.
3. Describe AFATDS build procedures.
4. Describe AFATDS configuration.
5. Describe AFATDS communication configurations.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 7025-OR/1
2. TM 7025-OR/2
3. TM 7025-OR/3
4. SL-3-11069A

AIRS-1120 * B E G

Goal. Describe functions of the Marine Air Command and Control System (MACCS).

Requirement. Given the references:

1. Describe the purpose of a MACCS.
2. Describe the organization of a MACCS.
3. Describe the mission of the units comprising a MACCS.
4. Describe the function(s) of each agency comprising the MACCS.
5. Describe the six functions of Marine Aviation.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Aviation Operations MCWP 3-2
2. Control of Aircraft and Missiles MCWP 3-25
3. Marine Air Command and Control System Handbook MCWP 3-25.3

7.10 CORE SKILL TRAINING (2000)

7.10.1 Purpose. To develop core skill proficiency for 5974 personnel to be able to perform duties while assigned to the TAOC TDS section.

(1) Basic Technicians will gain core skill proficiency in basic systems administration and maintenance.

(2) Advance Technicians will gain core skill proficiency in advanced radio operations and maintenance, communications systems operations and maintenance, and SATCOM operations.

(3) Crew Chiefs will gain core skill proficiency in managing crew level communications operations to include radio operations, communications systems operations and maintenance, SATCOM operations, and maintenance management. This training will provide the crew chief the skills necessary to run a communications crew

(4) Maintenance Chiefs will gain core skill proficiency in supervising and managing maintenance section operations to include radio operations and maintenance, communications systems operations and maintenance, SATCOM operations, and maintenance management. This training will provide the maintenance chief the necessary skills to run a communications section.

7.10.2 General.

7.10.2.1 Prerequisite.

(1) Tactical Data Systems Basic Technician (TDSABT). Core Skill Introduction training must be completed prior to beginning TDSABT training.

(2) Tactical Data System Administrator Advanced Technician(TDSAAT).

Must be qualified as an ASCBT prior to beginning TDSAAT training.

(3) Tactical Data Systems Crew Chief (TDSCC). Must be qualified as an TDSAAT prior to beginning ASCC training.

7.10.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in the mission skill and core plus phases provided applicable prerequisites have been met.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

7.10.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

| PAR NO. | STAGE NAME |
|---------|--|
| 7.10.3 | MACCS MAINTENANCE COMMON (CMN) |
| 7.10.4 | TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) |
| 7.10.5 | COMMUNICATION SECURITY (COMSEC) |
| 7.10.6 | FAMILIARIZATION (FAM) |
| 7.10.7 | COLLATERAL DUTY (CD) |
| 7.10.8 | INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) |
| 7.10.9 | INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) |
| 7.10.10 | INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) |
| 7.10.11 | EQUIPMENT (EQUIP) |
| 7.10.12 | MAINTENANCE MANAGEMENT (MMGT) |
| 7.10.13 | OPERATIONAL MANAGEMENT (OMGT) |

7.10.3 MACCS MAINTENANCE COMMON (CMN) STAGE

7.10.3.1 Purpose. To teach the trainee common skills to all 5900 MOSs within the MACCS.

7.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

CMN-2150 2.0 * B L

Goal. Conduct an SL-3 inventory.

Requirement. Given the references and a piece of equipment with its record jacket containing an SL-3 extract, perform the following:

1. Validate inventory reference in SL 1-2.
2. Verify UURI authorization.
3. Identify and document on-hand, missing, or unserviceable components.
4. Document completed inventory findings in the record jacket.
5. Initiate supply action to replace missing and/or unserviceable components.
6. Obtain a "supervised by" signature.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO p4400.150_
2. MCO P4790.2_
3. Applicable equipment SL-3 or TM

CMN-2151 1.5 * B L

Goal. Identify the purpose of Preventive Maintenance Checks and Services (PMCS).

Requirement. Given an end item, completed NAVMC 10561, and applicable references, perform the following:

1. State the purpose of PMCS.
2. Identify the PM frequency.
3. Identify PM procedures.
4. Interpret the entries listed on the provided PMCS roster.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/_
2. NAVMC 10561
3. MCO P4790.2_
4. Applicable technical manuals
5. UM 4400.125 (Draft)

CMN-2152 2.0 * B L

Goal. Submit a Product Quality Deficiency Report (PQDR).

Requirement. Given the reference, equipment or a scenario:

1. State the criteria under which the PQDR should be submitted.
2. Complete the PQDR.
3. Explain the squadron's internal process for submitting a PQDR.
4. Identify the procedure to follow up with the PQDR.
5. Discuss external process flow of the PQDR.

Performance Standard. Submit to the evaluator a correctly formatted PQDR IAW the reference without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. Unit MMSOP
3. MCO 4855.10B PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
4. SECNAVINST 4855.5_, Product Quality Deficiency Report Program
5. <http://www.logcom.usmc.mil/pqdr/files/PQDR%20Users%20Guide.pdf>.
6. https://www.pdrep.csd.disa.mil/pdrep_files/training/online_train.htm

CMN-2153 3.0 * B Grnd Rod Kit/MK-2551A/U L

Goal. Demonstrate an earth ground installation.

Requirement. Given the references, grounding kit and PPE, perform the following:

1. Identify ground tolerances for equipment and personnel.
2. Identify methods of grounding.
3. Identify a method for improving a ground.
4. Identify proper location to test a ground.
5. Install an earth ground using a:

- a. Grounding rod.
 - b. MK-2551A/U Grounding Kit (SWGS).
6. Verify proper grounding reading utilizing appropriate test equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2173

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Ground Procedures Manual
2. TC 11-6 Grounding Techniques

CMN-2154 2.0 * B, R L

Goal. Describe the characteristics of unit T/E generators.

Requirement. Identify the following:

1. Frequency.
2. Voltage(s).
3. Load capacity.
4. Fuel consumption.

Performance Standard. With the aid of reference, pass an exam on the above list without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12359A-OD/B Technical Characteristics Expeditionary Power Systems, Equipment

CMN-2156 2.0 * B Shelter L

Goal. Emplace shelter.

Requirement. As a part of a crew, given a site diagram, Heavy Equipment, and a shelter, complete the following:

1. Place shelter according to site diagram.
2. Level shelter as required.

Performance Standard. Shelter is emplaced and leveled per the site diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2155

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

CMN-2157 2.0 * B Shelter L

Goal. Cable shelter for power.

Requirement. As a part of a crew, given references, cables, shelter, and grounding kit, complete the following steps:

1. Ground Shelter.
2. Connect Power Cable.
3. Energize specified section.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2156

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

CMN-2158 1.0 * B Tool box L

Goal. Demonstrate how to maintain a tool box.

Requirement. Given the references and a tool box, complete the following steps to sustain tool accountability and serviceability:

1. State the purpose of a tool box and assigned responsibilities.
2. Ensure tool box record jacket is current.
3. Conduct an SL-3 inventory of all tools in the tool box.
4. PM each tool and ensure it is serviceable.
5. State the process for replacement of the unserviceable tools.
6. State the process for replacement of missing tools.
7. Ensure proper documentation.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MMO SOP
2. MCO P4790.2_
3. MCO p4400.150_
4. Supply instruction
5. Applicable SL-3 for tool box

CMN-2159 1.0 * B, R _____ GCSS L

Goal. Initiate a service request.

Requirement. Given a piece of equipment requiring a service request, NAVMC 1018, and a computer with GCSS access, perform the following:

1. Login to GCSS.
2. Open a new service request.
3. Fill out a NAVMC 1018 Inspection/Repair Tag (IRT).
4. Forward service request to the next level IAW SOP.

Performance Standard. With the aid of reference, complete the requirements IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Appropriate GCSS access

Reference.

1. UM 4790.5
2. TM 4700-15/1_
3. MCO P4790.2_
4. MCBUL 3000_
5. MCO P4400.16_
6. Unit Maintenance Administration SOP

7.10.4 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

7.10.4.1 Purpose. To teach the trainee how to use various test equipment that will be used in the performance of their assigned duties.

7.10.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

TMDE-2173 2.0 * B, R R1L-C L

Goal. Utilize a Ground Tester.

Requirement. Given a ground tester, grounded equipment, and references:

1. State the purpose of a ground tester.
2. Verify calibration is current.
3. Measure resistance to ground in ohms.
4. State whether the ohm level is within tolerance.
5. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate proper use of the ground tester and measure ground resistance in ohms, report results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15
2. TM 10069A-14 O&M w/IPB R1L-C

TMDE-2175 1.0 * B, R Multimeter L

Goal. Utilize a multimeter.

Requirement. Given a multimeter, cable, and references:

1. State the purpose of the multimeter.
2. Verify calibration is current.
3. Perform continuity check on a cable or wire.
4. Measure resistance.
5. Measure voltage (AC and DC).
6. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate the proper use of a multimeter by completing the requirements without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manual

TMDE-2180 1.0 * B, R LAN Analyzer L

Goal. Utilize LAN analyzer.

Requirement. Given the references, LAN analyzer, and network cable, perform the following:

1. Identify LAN analyzer.
2. State its purpose.
3. Analyze network cable.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

Applicable user manual

7.10.5 COMMUNICATION SECURITY (COMSEC) STAGE

7.10.5.1 Purpose. To teach the trainee safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout. Additionally, trainee learns to identify and load CCI devices.

7.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2190 2.0 365 B, R, M L

Goal. Describe proper handling and storage of classified materials.

Requirement. Perform the following:

1. State the different levels of classification.
2. State the marking requirements for each level of classification.
3. State the Two-Person Integrity (TPI) rule.
4. State storage procedures for each level of classification.
5. Identify transportation requirements for classified material.
6. State the sections of the SF-702.
7. Identify the approved security containers utilized for storage.
8. Identify the procedures for handling Controlled Cryptographic Items (CCIs).

Performance Standard. With the aid of reference, state the above requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5510.18_
2. EKMS-1_
3. SECNAVINST 5510.36
4. UNIT SOP

COMSEC-2191 2.0 365 B, R, M L

Goal. State the physical security requirements for classified areas.

Requirement. Given a tactical scenario and references, identify the following:

1. Purpose of a guard schedule.
2. Purpose of access control.
3. Purpose of the entry control point.
4. Perimeter barrier requirements.

Performance Standard. With the aid of reference, pass an exam without error.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34_

COMSEC-2192 2.0 365 B, R, M L

Goal. Create a classified area physical security diagram.

Requirement. Given a tactical scenario and references, create a diagram that includes the following:

1. Entry control point(s).
2. Perimeter barrier.
3. Communication lines.

Performance Standard. With the aid of reference, draw a diagram depicting the information listed in the requirement without error; instructor will validate that the diagram supports the scenario. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2191

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34_

COMSEC-2193 2.0 365 B, R, M _____ L

Goal. Conduct classified material inventory.

Requirement. During a crew change over, perform the following:

1. Conduct classified material inventory.
2. Conduct EKMS inventory.
3. Destroy superseded key materials.

Performance Standard. With the aid of reference, conduct the requirements without discrepancy.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. 5530

COMSEC-2194 2.0 * B, R _____ L

Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references, perform the following:

1. State the purpose of the EKMS COMSEC callout.
2. Identify the five main pieces of key information:
 - a. Short Title.
 - b. Edition.
 - c. Segment.
 - d. Classification.
 - e. Supersession date.
3. Identify segment roll over dates and time.

Performance Standard. With the aid of reference, state the purpose and identify the key information on the callout without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_
2. MCWP 3-40.3

COMSEC-2195 2.0 365 B, R, M L

Goal. Utilize a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device, perform the following:

1. Describe the purpose of common fill device.
2. Define the common fill device loading procedure.
3. Configure the common fill device.
4. Identify common fill device indicators and messages.
5. Transfer key material to Controlled Cryptographic Item (CCI) equipment.
6. Transfer cryptographic information from common fill device to common fill device.
7. Destroy superseded keying material within the cryptographic fill device.

Performance Standard. With the aid of reference, load keying material into appropriate COMSEC equipment using a fill device and destroy superseded keying material without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_

COMSEC-2196 2.0 * B L

Goal. Ensure CMCC handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify classified material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify classified material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SECNAV 5510.36_
2. MCO 5510.18_
3. UNIT SOP
4. EKMS-1_

COMSEC-2197 2.0 * B L

Goal. Ensure EKMS material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify EKMS material is stored IAW the reference.
2. Verify proper destruction of material IAW the reference.
3. Verify EKMS material is transported IAW the reference.

Performance Standard. With the aid of reference, validate EKMS material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_
2. UNIT SOP

COMSEC-2198 1.0 * B L

Goal. Ensure CCI material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify CCI material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify CCI material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_
2. UNIT SOP

COMSEC-2199 2.0 365 B, R, M L

Goal. Ensure physical security of classified areas.

Requirement. Given references and a classified area, verify the following:

1. Guard schedule.
2. Access Control.
3. Perimeter barrier.

Performance Standard. Verify the physical security of the classified area IAW the references. Complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2191, 2192

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34_

7.10.6 FAMILIARIZATION (FAM) STAGE

7.10.6.1 Purpose. To familiarize the trainee on non-MOS equipment.

7.10.6.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100

Admin Notes. None

Crew Requirements. None

FAM-2210 2.0 * B L

Goal. Describe HF, VHF, UHF, SATCOM radio characteristics.

Requirement. Given a list of radio equipment, describe the following characteristics for each:

1. AN/VRC 103.
 - a. Frequency range.
 - b. Power output.
 - c. Types of antennas.
2. AN/VRC 104.
 - a. Frequency range.
 - b. Power output.
 - c. Types of antennas.
4. AN/GRC 171B(V)4.
 - a. Frequency range.
 - b. Power output.
 - c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B(V)4
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103(V)2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

FAM-2214 1.0 * B L

Goal. Describe MTAOM equipment.

- b. Power output
- c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B(V) 4
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103(V) 2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

FAM-2219 1.0 * B L

Goal. Familiarization with LRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the LRR.
2. Describe the major components of the LRR.
3. Describe the characteristics of the LRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V) 3

FAM-2220 1.0 * B L

Goal. Familiarization with MRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the MRR.
2. Describe the major components of the MRR.
3. Describe the characteristics of the MRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description

FAM-2221 1.0 * B L

Goal. Describe the Identification Friend or Foe (IFF) MK XII interrogator system.

Requirement. Given the reference:

1. Describe the purpose of the MK VII IFF system.
2. Describe the major components of the AN/UPX-37 Interrogator system.
3. Describe the characteristics of the AN/UPX-37 Interrogator System.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. UM 2005

FAM-2222 1.0 * B L

Goal. Describe TACLAN.

Requirement. Given the references, perform the following:

1. Describe the purpose of the KG-175 TACLAN.
2. State the purpose of the KG-175 TACLAN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

FAM-2223 1.0 * B L

Goal. Identify the major components of the Composite Tracking Network (CTN).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the Cooperative Engagement Capability.
2. Describe the characteristics of the antenna.
3. Describe the characteristics of the AN/USG-4A.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operational Tasking Cooperative Engagement Capability (OPTASKCEC)
2. TM 11406A-OR/2 Command System Tactical AN/MSQ-143
3. TM 11406A-ORG Command System Tactical AN/MSQ-143

4. TM 11406A-OI AN/USG-4A Composite Tracking Network
5. TM 08611B/10987A/11406A-OR/1 Telescopic Mast Family
6. TM 08611B/10987A/11406A-OR/2 Erection Instructions CSA Fanlite
7. TM 08611B/10987A/11406A-OR/3 Appendix G CSA Fanlite

7.10.7 COLLATERAL DUTY (CD) STAGE

7.10.7.1 Purpose. To familiarize the trainee on the duties and responsibilities of each collateral duty in a maintenance shop.

7.10.7.2 General

Prerequisite. None

Admin Notes. Familiarization of all maintenance collateral duties gives the technician an awareness of the different essential functions required within the maintenance section.

Crew Requirements. None

CD-2230 8.0 * B, R L

Goal. State the maintenance Collateral Duties (CD).

Requirement. Receive an overview from each collateral duty holder, and at a minimum must be able to state the following:

1. Calibration CD.
 - a. State the purpose of the TMDE program.
 - b. State the duty responsibilities.
2. Modification CD.
 - a. State the purpose of the modification program.
 - b. State the duty responsibilities.
3. Tool Control CD.
 - a. State the purpose of the tool control program.
 - b. State the duty responsibilities.
4. Publications CD.
 - a. State the purpose of the publications program.
 - b. State the duty responsibilities.
5. Safety CD.
 - a. State the purpose of the safety program.
 - b. State the duty responsibilities.
6. Hazmat CD.
 - a. State the purpose of the HAZMAT program.
 - b. State the duty responsibilities.
7. Embarkation.
 - a. State the purpose of the embarkation program.
 - b. State the duty responsibilities.
8. MIMMS.
 - a. State the purpose of the MIMMS program.
 - b. State the duty responsibilities.
9. Records.
 - a. State the purpose of the records program.
 - b. State the duty responsibilities.
10. Quality Control.
 - a. State the purpose of the quality control program.

- b. State the duty responsibilities.
- 11. Training Program
 - a. State the purpose of the Training program.
 - b. State the duty responsibilities.

Performance Standard. verbally state the purpose and responsibilities of each CD without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. MCO 4790.2_
4. TM 4700-15/1_
5. Applicable CD Desktops
6. MCO 5100.29_
7. MMO SOP
8. MCO 4790.1
9. MCO 5600.1

CD-2231 1.0 * B L

Goal. Identify the Maintenance Calibrations Program.

Requirement. Given three pieces of Test Measurement and Diagnostic Equipment (TMDE), verify the following:

1. TMDE is correctly marked with calibrations information.
2. Calibration date is current.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

2. MMO SOP

CD-2232 2.0 * B L

Goal. Identify the Maintenance Modifications Program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance modification program.
2. Demonstrate how modifications are:
 - a. Identified.
 - b. Verified.
 - c. Recorded.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. PLMS
2. MCO P4790.2C
3. TM-4700-15/1H
4. Maintenance Modifications Program CD Desktop

CD-2233 2.0 * B L

Goal. Manage the Tool Control Program.

Requirement. Given the references, perform the following:

1. Identify elements in the Tool Control Desktop Procedures binder.
2. Describe tool control procedures:
 - a. Inventory schedule.
 - b. Check-in/Check-out.
 - c. Tool replacement.
2. Conduct serviceability inspection of tools and tool boxes.
3. Submit special tool allowance authorization request.
4. Identify tools with special calibration requirements and submit for inclusion in Calibrations Program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. TM 4795-OR/1A
3. MMSOP

CD-2234 2.0 * B L

Goal. Identify the Maintenance Publications Library.

Requirement. Given the references, perform the following:

1. Demonstrate how to locate required publications for specific equipment.
2. Demonstrate how to verify publications are up-to-date.
3. Describe the purpose of Publications Library Management System (PLMS).
4. Fill out a NAVMC 10772.

Performance Standard. With the aid of reference, demonstrate the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. PLMS
4. MCO P4790.2
5. MMO SOP
6. Maintenance Publications Library Desktop

CD-2235 2.0 * B L

Goal. Identify major Maintenance Safety Program elements.

Requirement. Given the references, perform the following:

1. Define and identify the purpose of Lock-out/Tag-out.
2. Demonstrate lock-out/tag-out procedures.
3. Eliminate the effects of ESD on electronic components.
 - a. Define ESD.
 - b. Setup ESD workstation.
 - c. Demonstrate proper use of ESD workstation during repair of ESD sensitive circuit.
 - d. Demonstrate proper packaging and handling of ESD sensitive material.
4. Describe hazard prevention as it applies to:
 - a. Electrical hazards.
 - b. Eye hazards.
 - c. Hearing hazards.
 - d. RF hazards.
 - e. Fire hazards.
5. Identify HAZMAT procedures.
 - a. State purpose of a Material Safety Data Sheets (MSDS).
 - b. Properly store and label HAZMAT materials.
 - c. Demonstrate proper usage of Personal Protective Equipment (PPE).
 - d. State the purpose of and locate and read safety board.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5100.29_
2. MCO 4450.12_
3. MCO 5100.8_
4. TM 07751B Series
5. TM 07736C Series
6. OSHA standard 29 CFR 1910.147
7. Electro Discharge Mgmt (ESD) TM-9999-15/2
8. Maintenance Safety Program Desktop

CD-2236 2.0 * B L

Goal. State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.

Requirement. Given an MSDS and references, perform the following:

1. State the purpose of MSDS.
2. List the section of an MSDS.
 - a. Chemical identity.

- b. Manufactures name and contact information.
 - c. Hazardous ingredients/identity information.
 - d. Physical/chemical characteristics.
 - e. Fire and explosion hazard data.
 - f. Reactivity data.
 - g. Health hazard data.
 - h. Precautions for safe handling and use.
 - i. Control measures.
3. State the purpose of the MSDS center.
 4. Locate the MSDS compliance center in the maintenance department.

Performance Standard. With the aid of the MSDS Binder, state the purpose and components of a Material Safety Data Sheet (MSDS) without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Maintenance Safety SOP
2. MSDS binder
3. 29 CFR 1910.1200
4. MCO 4450-12
5. MCO P4790.2
6. Associated Desktop
7. OSHA 29 CFR refer to
http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=standards&p_id=10099

CD-2237 3.0 * B L

Goal. Identify the key elements of the Maintenance Embarkation Program.

Requirement. Given the references, perform the following:

1. State the purpose of the maintenance embarkation program.
2. State the purpose of the equipment density list (EDL).
3. List length, width, height, and weight of major end items.
4. Identify ground equipment transportation requirements.
5. Identify Heavy Equipment (HE) requirements needed for systems movement.

Performance Standard. With the aid of reference, identify the five key elements listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3_ Unit Embarkation Handbook
2. MCO P4790.2_
3. Technical Manuals
4. Maintenance Embarkation Program Desktop

CD-2238 1.0 * B L

Goal. Identify the equipment record jacket.

Requirement. Given the references and a record jacket, perform the following:

1. State the purpose of a record jacket.
2. State the minimum content requirements for an equipment record jacket.
3. State the destruction instructions for each document within the record jacket.
4. State the local policy for disposition of inactive record jackets.
5. Inspect the record jacket content for completeness.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. TM-4700-15/1_
3. MCO 5210.11E

CD-2241 2.0 1460 B, R, M L

Goal. Perform Quality Control Procedures.

Requirement. Given the references and equipment records, perform the following:

1. Identify maintenance QC procedures.
2. List all the QC areas within your section.
3. State the frequency of the QC checks for each area.
4. Conduct a QC inspection on a selected piece of equipment:
 - a. Ensure equipment is being maintained to equipment standards.
 - b. Ensure quality controls are being adhered to.
 - c. Ensure inspection standards, checklists or templates being used to inspect completed maintenance actions.
 - d. Ensure equipment specifications are being recorded within tolerance levels IAW TM.
 - e. Verify the repair process is properly implemented by ensuring that:
 - (1) Proper tools were used.
 - (2) ESD procedures were used.
 - (3) Safety warnings were adhered to.
 - (4) Necessary defective parts were replaced.
 - (5) Correct software was used, as applicable.
 - (6) Proper GCSS entries are annotated on the Service Request throughout the Maintenance Cycle.
5. Write a report identifying discrepancies.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MMO SOP
3. Applicable TMs
4. UM 4400-125 (Draft)

CD-2243 2.0 * B L

Goal. Identify the Maintenance Training program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance training program.
2. List annual training requirements.

3. List requirements for maintenance management training.
4. Explain the purpose of the Aviation T&R program.
5. Explain how training is tracked within the Aviation T&R program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. MCO p4790.2_
3. NAVMC 3500.14_
4. MCRP 3-01_

7.10.8 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

7.10.8.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

7.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-2250 4.0 * B E L

Goal. Explain PC hardware.

Requirement. Without the aid of references, perform the following:

1. Explain and apply BIOS settings.
2. Differentiate between motherboard components, their purposes, and properties.
3. Compare RAM types and features.
4. Explain the installation and configuration of expansion cards.
7. Explain installation and configuration of storage devices and appropriate media.
6. Differentiate among various CPU types and features and select the appropriate cooling method.
7. Compare various connection interfaces and explain their purpose.
8. Identify the appropriate power supply based on a given scenario.
9. Evaluate and select appropriate components for a custom configuration, to meet customer specifications or needs.

10. Given a scenario, evaluate types and features of display devices.
11. Identify connector types and associated cables.
12. Explain the installation and configuration of various peripheral devices.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2251 4.0 * B E L

Goal. Explain networking concepts.

Requirement. Without the aid of references, perform the following:

1. Identify types of network cables and connectors.
2. Categorize characteristics of connectors and cabling.
3. Explain properties and characteristics of TCP/IP.
4. Explain common TCP and UDP ports, protocols, and their purpose.
7. Compare wireless networking standards and encryption types.
6. Install, configure, and deploy a SOHO wireless/wired router using appropriate settings.
7. Compare Internet connection types and features.
8. Identify various types of networks.
9. Compare network devices their functions and features.
10. Given a scenario, use appropriate networking tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2252 4.0 * B E L

Goal. Explain laptop features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Install and configure laptop hardware and components.
2. Compare the components within the display of a laptop.
3. Explain the differences between the various printer types and summarize the associated imaging process.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2253 4.0 * B E L

Goal. Explain printer features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Explain the differences between the various printer types and summarize the associated imaging process.
2. Given a scenario, install, and configure printers.
3. Given a scenario, perform printer maintenance.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2254 4.0 * B E L

Goal. Explain operational procedures.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, use appropriate safety procedures.
2. Explain environmental impacts and the purpose of environmental controls.
3. Given a scenario, demonstrate proper communication and professionalism.
4. Explain the fundamentals of dealing with prohibited content/activity.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2255 4.0 * B E L

Goal. Explain operating systems.

Requirement. Without the aid of references, perform the following:

1. Compare the features and requirements of various Microsoft Operating Systems.
2. Given a scenario, install, and configure the operating system using the most appropriate method.
3. Given a scenario, use appropriate command line tools.
4. Given a scenario, use appropriate operating system features and tools.
7. Given a scenario, use Control Panel utilities (the items are organized by "classic view/large icons" in Windows).
6. Setup and configure Windows networking on a client/desktop.
7. Perform preventive maintenance procedures using appropriate tools.
8. Explain the differences among basic OS security settings.
9. Explain the basics of client-side virtualization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2256 4.0 * B E L

Goal. Explain security.

Requirement. Without the aid of references, perform the following:

1. Apply and use common prevention methods.
2. Explain the implementation of security best practices to secure a workstation.
3. Given a scenario, use the appropriate data destruction/disposal method.
4. Given a scenario, secure a SOHO wireless network.
7. Given a scenario, secure a SOHO wired network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2257 4.0 * B E L

Goal. Explain Mobile Devices.

Requirement. Without the aid of references, perform the following:

1. Explain the basic features of mobile operating systems.
2. Establish basic network connectivity and configure email.
3. Compare methods for securing mobile devices.
4. Compare hardware differences in regards to tablets and laptops.
7. Execute and configure mobile device synchronization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2258 4.0 * B E L

Goal. Explain Troubleshooting.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, explain the troubleshooting theory.
2. Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.
3. Given a scenario, troubleshoot hard drives and RAID arrays with appropriate tools.
4. Given a scenario, troubleshoot common video and display issues.
7. Given a scenario, troubleshoot wired and wireless networks with appropriate tools.
6. Given a scenario, troubleshoot operating system problems with appropriate tools.
7. Given a scenario, troubleshoot common security issues with appropriate tools and best practices.
8. Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.
9. Given a scenario, troubleshoot printers with appropriate tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

7.10.9 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

7.10.9.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

7.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-2259 4.0 * B E L

Goal. Explain Networking Concepts.

Requirement. Without the aid of references, perform the following:

1. Compare the layers of the OSI and TCP/IP models.
2. Classify how applications, devices, and protocols relate to the OSI model layers.
3. Explain the purpose and properties of IP addressing.
4. Explain the purpose and properties of routing and switching.
7. Identify common TCP and UDP default ports.
6. Explain the function of common networking protocols.
7. Summarize DNS concepts and its components.
8. Given a scenario, implement the following network troubleshooting methodology.
9. Identify virtual network components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2260 4.0 * B E L

Goal. Explain Network Installation and Configuration.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, install and configure routers and switches.
2. Given a scenario, install and configure a wireless network.
3. Explain the purpose and properties of DHCP.
4. Given a scenario, troubleshoot common wireless problems.
7. Given a scenario, troubleshoot common router and switch problems.
6. Given a set of requirements, plan and implement a basic SOHO network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2261 4.0 * B E L

Goal. Explain Network Media and Topologies.

Requirement. Without the aid of references, perform the following:

1. Categorize standard media types and associated properties.
2. Categorize standard connector types based on network media.
3. Compare different wireless standards.
4. Categorize WAN technology types and properties.
7. Describe different network topologies.
6. Given a scenario, troubleshoot common physical connectivity problems.
7. Compare different LAN technologies.
8. Identify components of wiring distribution.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2262 4.0 * B E L

Goal. Explain Network Management.

Requirement. Without the aid of references, perform the following:

1. Explain the purpose and features of various network appliances.

2. Given a scenario, use appropriate hardware tools to troubleshoot connectivity issues.
3. Given a scenario, use appropriate software tools to troubleshoot connectivity issues.
4. Given a scenario, use the appropriate network monitoring resource to analyze traffic.
7. Explain the purpose of configuration management documentation.
6. Explain different methods and rationales for network performance optimization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2263 4.0 * B E L

Goal. Explain Network Security.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, implement appropriate wireless security measures.
2. Explain the methods of network access security.
3. Explain methods of user authentication.
4. Explain common threats, vulnerabilities, and mitigation techniques.
7. Given a scenario, install and configure a basic firewall.
6. Categorize different types of network security appliances and methods.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

7.10.10 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
STAGE

7.10.10.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

7.10.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-2264 4.0 * B E L

Goal. Explain Network Security.

Requirement. Without the aid of reference, perform the following:

1. Explain the security function and purpose of network devices and technologies.
2. Describe the implementation of secure network administration principles.
3. Describe between network design elements and components.
4. Describe the use common protocols.
7. Identify commonly used default network ports.
6. Describe the implementation of a wireless network in a secure manner.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2265 4.0 * B E L

Goal. Explain Operational Security.

Requirement. Without the aid of reference, perform the following:

1. Explain risk related concepts.
2. Explain appropriate risk mitigation strategies.

3. Explain appropriate incident response procedures.
4. Explain the importance of security related awareness and training.
7. Compare aspects of business continuity.
6. Explain the impact and proper use of environmental controls.
7. Execute disaster recovery plans and procedures.
8. Explain the concepts of confidentiality, integrity and availability (CIA).

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2266 4.0 * B E L

Goal. Explain threats and vulnerabilities.

Requirement. Without the aid of reference, perform the following:

1. Explain the types of malware.
2. Explain types of attacks.
3. Explain types of social engineering attacks.
4. Explain types of wireless attacks.
7. Explain types of application attacks.
6. Explain types of mitigation and deterrent techniques.
7. Explain assessment tools and techniques to discover security threats and vulnerabilities.
8. Within the realm of vulnerability assessments, explain the proper use of penetration testing versus vulnerability scanning.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2267 4.0 * B E L

Goal. Explain cryptography.

Requirement. Without the aid of reference, perform the following:

1. Summarize general cryptography concepts.
2. Explain the appropriate cryptographic tools and products.
3. Explain the core concepts of public key infrastructure.
4. Explain the Implementation of PKI, certificate management and associated components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2268 4.0 * B E L

Goal. Explain access control and identity management.

Requirement. Without the aid of reference, perform the following:

1. Explain the function and purpose of authentication services.
2. Explain the fundamental concepts and best practices related to authentication, authorization and access control.
3. Explain the Implementation of appropriate security controls when performing account management.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2269 4.0 * B E L

Goal. Explain application, data and host security.

Requirement. Without the aid of reference, perform the following:

1. Explain the importance of application security.
2. Explain the appropriate procedures to establish host security.
3. Explain the importance of data security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

7.10.11 EQUIPMENT (EQUIP) STAGE

7.10.11.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

7.10.11.2 General

Prerequisites. None

Admin Notes. None

Crew Requirements. None

EQUIP-2380 4.0 * B L

Goal. Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the reference, AN/USQ-140(V)2, required component(s), TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct CM on the AN/USQ-140(V)2 and identify faulty component on the system.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.

4. Return to operational readiness condition.
5. Conduct PM on the AN/USQ-140 (V)2.
6. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V)2
4. MIL-STD-6016E

EQUIP-2381 4.0 * B L

Goal. Identify the major components of the AN/USQ-140 (V)2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the MIDS Terminal.
2. Describe the characteristics of Link 16.
3. Describe subsystem interfaces.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V)2
4. MIL-STD-6016E

EQUIP-2407 8.0 * B L

Goal. Troubleshoot tactical data systems.

Requirement. Given a faulty data system or scenario, perform the following:

1. Identify the problem.
2. Establish a theory of probable cause (question the obvious).
3. Test the theory to determine the cause.
4. Establish a plan of action to resolve the problem and implement the solution.
5. Verify full system functionality and, if applicable, implement preventative measures.
6. Document findings, actions, and outcomes.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. Applicable TMs

EQUIP-2408 4.0 * B L

Goal. Perform PMCS on ADPE.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference:

1. Conduct PMCS on TDS ADPE IAW the reference.
2. Complete all required administrative actions.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050A-OD/1 System Administration and Maintenance Manual (SAMM)
2. Appropriate technical manual

EQUIP-2409 2.0 * B L

Goal. Initiate corrective maintenance on TDS ADPE.

Requirement. Given the reference, required component(s), TMDE and maintenance tools listed in the reference:

1. Conduct CM on the TDS ADPE IAW the reference and identify faulty component.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.
5. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-4700/15-1H
2. MCO P4790.2

EQUIP-2410 2.0 * B L

Goal. State the purpose of Automated Data Processing Equipment (ADPE).

Requirement. Given references, Network Switch, Router, Server, and Workstation and complete the following:

1. State the purpose for each.
2. Identify software components for each.
3. Identify hardware components for each.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2411 4.0 * B L

Goal. Setup PDS network equipment.

Requirement. Given a site diagram, required preconfigured equipment, and references, perform the following:

1. Emplace components.
2. Make a straight through Ethernet cable as required.
3. Make a crossover Ethernet cable as required.
4. Cable components.
5. Energize components.
6. Conduct operational status check.
7. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals
2. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
3. TM 12041A/12050-OD/2 System Users Manual (SUM)

EQUIP-2412 4.0 730 B, R, M L

Goal. Configure workstation.

Requirement. Given an emplaced system, perform the following:

1. Energize workstation.
2. configure workstation.
 - a. Host name.
 - b. IP address.
3. Conduct operational status check.
4. Document any changes to system configuration as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals

EQUIP-2413 2.0 730 B, R, M L

Goal. Configure printer.

Requirement. Given an emplaced system, perform the following:

1. Energize printer.
2. configure printer.
 - a. Host name.
 - b. IP address.
3. Conduct operational status check.
4. Document any changes to system configuration as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals

EQUIP-2414 4.0 730 B, R, M L

Goal. Configure PDS network equipment.

Requirement. Given an emplaced system, perform the following:

1. Energize components.
2. Configure network equipment.
3. Conduct operational status check.
4. Document any changes to system configuration as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals
2. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
3. TM 12041A/12050-OD/2 System Users Manual (SUM)

EQUIP-2415 4.0 * B L

Goal. Install ADPE operating system software.

Requirement. With the aid of reference, perform the following:

1. Restore operating system from clone/backup/system image.
2. Update to current software release.
3. Configure operating system as required.
4. Document changes to system configuration.

Performance Standard. With the aid of reference install the operating system and update to the current software release IOT operate in a classified environment without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2416 4.0 730 B, R, M L

Goal. Configure ADPE C2 application software.

Requirement. With the aid of reference, perform the following:

1. Configure C2 system software as required.
2. Document changes to system configuration.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2417 4.0 * B, R L

Goal. Perform network management.

Requirement. Given a LAN, references, and required equipment, perform the following:

1. Monitor the LAN for connectivity.
2. Assist troubleshoot connectivity with external agencies.
3. Log Files Check.
4. Network Time Check.
5. Trouble Shoot Network error(s).
6. Set QoS settings.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2418 4.0 * B, R L

Goal. Perform disaster recovery management.

Requirement. With the aid of reference, perform the following:

1. Plan system backup.
2. Create system backup.
3. Restore from backup.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2419 4.0 * B, R L

Goal. Perform logfile management.

Requirement. With the aid of reference, perform the following:

1. Monitor logfiles.
2. Save logfiles.
3. Empty logfiles.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation

requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2420 4.0 * B, R L

Goal. Perform network data storage management.

Requirement. With the aid of reference, perform the following:

1. Plan share file structure.
2. Set permissions for shared files.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2421 1.0 * B, R L

Goal. Perform account management.

Requirement. With the aid of reference, perform the following:

1. Plan user accounts.
2. Create user accounts IAW naming convention.
3. Create groups IAW naming convention.
4. Set account permissions.
5. Manage user accounts.
6. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2422 4.0 * B, R L

Goal. Apply Software release updates.

Requirement. With the aid of reference, perform the following:

1. Schedule software release installation.
2. Install software release updates.
3. Test system software and applications.
4. Backup systems as required.
5. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2423 2.0 * B, R L

Goal. Manage disk space.

Requirement. With the aid of reference, perform the following:

1. Check disk space.
2. Archive files to removable media as required.
3. Delete files as required.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

7.10.12 MAINTENANCE MANAGEMENT (MMGT) STAGE

7.10.12.1 Purpose. To train the trainee on the basic skills necessary to perform as a member of a maintenance shop.

7.10.12.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2601 1.0 * B L

Goal. Create a Preventive Maintenance Checks and Services (PMCS) schedule.

Requirement. Given a list of equipment requiring PMCS create a schedule.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2151

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-4700-15/1H
2. MCO P4790.2_

MMGT-2602 4.0 * B, R GCSS L

Goal. Reconcile Global Combat Supply System (GCSS) reports.

Requirement. Given the reports listed in item 1 below:

1. Identify the purpose of:
 - a. Maintenance Production Report (MPR).
 - b. Equipment Status Report (ESR).
 - c. Preventative Maintenance Report.
 - d. Calibrations Report.
 - e. Modification Instruction report.
 - f. Maintenance Management Report (MMR).
 - g. Loaded unit balance file (LUBF).
 - h. Due and status file (DASF).
 - i. Service Request (SR).
 - (1) Tasks.
 - (2) Notes.
 - (3) Parts Requirements.
 - j. Inspection repair tag (NAVMC 1018).
 - k. Layette bin.
 - (1) Sub-Inventory.
 - (2) Stage.
 - l. Oracle Installed Base.
 - (1) Parent/Child Relationships.
2. Identify the type of information contained in each of the forms listed above.
3. Identify the status of a parts requisition.
4. Identify proper use of UMMIPS priorities.
5. State item requisition priorities.
6. State any errors found within each of the forms listed above.
7. Reconcile all items listed above and list all errors found in each form.
8. Explain how to maintain a layette bin.

Performance Standard. With the aid of reference, verbally identify errors on reports provided and identify corrective actions to the instructor without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2159

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MCBUL 3000
3. MCO P4400.16
4. DLA Handbook
5. Unit MMSOP
6. UM 4400-125 (Draft)

MMGT-2603 2.0 * B L

Goal. Identify the SECREP management process.

Requirement. Given the references, perform the following:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2_
2. MCO P4400.150_
3. FEDLOG

MMGT-2606 2.0 * B L

Goal. Induct new equipment into service.

Requirement. Given a Material Fielding Plans (MFP) or Users Logistics Support Summary (ULSS), and applicable references, demonstrate and validate the induction of new equipment into service.

1. Review the Users Logistics Support Summary (ULSS) or Material Fielding Plan (MFP).
2. Validate new equipment is properly placed into service.
 - a. Ensure record jacket was created with proper documentation

IAW the reference.

- b. Ensure initial SL-3 was performed.
- c. Ensure an initial LTI was performed.
- d. Ensure induction of new equipment into calibration cycle as required.
- e. Ensure equipment is accounted for within EKMS as required.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159, 2231, 2238

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SI 10510-OD
2. ULSS
3. Equipment SL-3
4. MCO P4400.82
5. UM 4400.124

MMGT-2607 2.0 * B L

Goal. Phase out equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, demonstrate and validate phase out of obsolete equipment, to include at minimum:

1. Review the POP and applicable references.
2. State the purpose of:
 - a. Recoverable Items Report (WIR).
 - b. WIR Online Process Handler program (WOLPH).
 - c. Material Returns (MTR) program.
3. Validate obsolete equipment was disposed of properly by ensuring the following:
 - a. Ensure a final LTI was performed.
 - b. Ensure a final SL-3 was performed.
 - c. Ensure a Recoverable Items Report (WIR) - request for disposition - was submitted using the WOLPH.
 - d. Ensure equipment was disposed of IAW instructions in Phase out plan.
 - e. Ensure the record jackets were completed and accompanied equipment.
 - f. Ensure the equipment and proper documentation was sent to Supply for turn-in.
 - g. Ensure supply received the proper documentation to remove equipment from the CMR.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Supply Instructions (SI)
2. Equipment SL-3
3. Initial Issuing Provision Inventories
4. MCO 5311.1C
5. MCO P4400.82

MMGT-2612 1.5 * B L

Goal. Verify inventory control procedures are implemented.

Requirement. Given an equipment record and SL-3:

1. Validate inventory results.
2. Validate parts requisition details.
3. Ensure service request is created within GCSS-MC.
4. Ensure parts requirement for unserviceable items are created within GCSS-MC.
5. Ensure inventory records are updated to reflect current status:
 - a. Item on-hand availability status.
 - b. Parts requisition status.

Performance Standard. With the aid of reference, perform inventory control procedures without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150_
2. MCO P4790.2_

MMGT-2614 1.0 * B L

Goal. Ensure equipment is inducted into maintenance cycle.

Requirement. Given an inoperative piece of equipment and references, complete the following:

1. Review service request.
2. Review Inspection Tag (NAVMC 1018).
3. Inspect equipment.
4. Forward request to next level IAW SOP.

Performance Standard. Complete the requirements with 100% accuracy.

Instructor. BI, SI

Prerequisite. 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/1_
2. MCO P4790.2_
3. MCO P4400.16_
4. Unit SOP
5. UM 4400-125 (draft)

7.10.13 OPERATIONAL MANAGEMENT (OMGT) STAGE

7.10.13.1 Purpose. To provide the trainee basic skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

7.10.13.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-2680 2.0 * B L

Goal. Identify the purpose of communication planning documents.

Requirement. Given the documents below, identify their purpose:

1. Guard Chart.
2. Communication Electronic Operating Instruction (CEOI).
3. Operations Order.
4. Annex K of the Operations Order.

5. Annex S of the Operations Order.
6. Site Diagram.
7. Operational Tasking Data Link (OPTASKLINK).
8. EKMS Callout.
9. Operational Tasking Cooperative Engagement Capability (OPTASKCEC).

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 5-1
2. MCWP 3-40.3

OMGT-2681 2.0 365 B, R, M L

Goal. Determine required equipment to support a mission.

Requirement. Given a mission, a list of end items, create a list of equipment that supports all aspects and requirements of the mission, to include the following:

1. Support equipment.
2. EKMS.
3. TMDE.
4. Tools.
5. Utilities support equipment.
6. Supply support items.
7. Logistics/movement support items.
8. Personnel equipment.

Performance Standard. With the aid of reference, produce a list of equipment needed to support the mission by completing the requirement without error. Minor errors corrected by the trainee are acceptable. The instructor will confirm the list supports the mission.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25
2. SECNAVINST 5510.36,
3. EKMS-1

OMGT-2682 4.0 1460 B, R, M L

Goal. Conduct communications portion of a site survey.

Requirement. Given a scenario, applicable references, a TO/E and operational tasking, determine an appropriate site for system emplacement by performing the following:

1. Utilize planning tools to determine terrain masking and line of sight connectivity.
2. Determine a primary and secondary site location.
3. Identify obstructions and hazards.
4. Determine tactical orientation and equipment emplacement.
 - a. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Fuels (HERF) regulations.
 - b. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Ordnance (HERO) regulations.
 - c. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Personnel (HERP) regulations.
 - d. Ensure emitters are emplaced to support working area.
5. Identify the placement for vehicles.
6. Identify the placement for antennas.
7. Determine communications obstacles.
8. Determine system grounding requirements.
9. Identify power and fuel requirements.
10. Determine protection from the elements.
11. Determine Terrain Masking.
12. Determine operational footprint.
13. Design a site layout and submit to the instructor.
14. Develop a brief that addresses all event requirement items.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. Brief the instructor on the considerations taken for each decision.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCDP 6

2. MCWP 3-25.4
3. MCWP 5-1
4. TM 10576D-OI Communications Interface System AN/MRQ-12(V)4
5. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual
6. IEEE C95.1-1991
7. NAVSHIPS 0967-317-7010
8. TM 9406-15
9. DODINST 6055.11
10. BUMED 6470.23
11. OPNAVINST 5100.23 Series
12. NAVSEA OP 3565/NAVAIR 16-1-529/NAVELEX 0967-LP-624-6010/Volume II
13. MCO 5100.29A W/CH 1
14. MCO 5104.2
15. MCO 5104.3A

OMGT-2683 2.0 * B L

Goal. Identify crew requirements and write a crew schedule.

Requirement. Given operational tasking, references, section roster, and MSHARP crew report, perform the following:

1. Determine the duration of operations.
2. Determine total crews required to support the mission.
3. Determine the crew composition/requirements.
4. Write the crew schedule.
5. Submit the crew schedule to the instructor.
6. Describe the process to publish crew schedule once validated.

Performance Standard. With the aid of reference, determine crew requirements and write a crew schedule that supports the mission without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. T&R Manual
2. MCWP 3-25
3. MCWP 3-25.7

OMGT-2684 3.0 * B L

Goal. Determine supply support requirements.

Requirement. Given the reference and a 30 day operational scenario, perform the following:

1. Determine supply needs with consideration of the following:
 - a. Location.
 - b. Equipment.
 - c. Daily operations.
 - d. Climate.
2. Identify SECREP requirements and deficiencies.
3. Identify bill of material (BOM) requirements.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2691

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM

OMGT-2685 1.0 * B L

Goal. Develop an embarkation plan.

Requirement. Given the references and a 30 day operational scenario, perform the following:

1. State the purpose of an embarkation plan.
2. Produce an equipment density list (EDL).
3. Produce Logistics documents as required.
4. Identify heavy equipment required to move EDL items.
5. Identify the modes of transportation required to move EDL items.

Performance Standard. With the aid of reference, complete the requirement and develop an embarkation plan to support the scenario. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2687

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

OMGT-2686 8.0 1460 B, R, M _____ L

Goal. Write a packing list.

Requirement. Given the references, perform the following:

1. Define the purpose of a packing list.
2. Describe essential packing list contents.
3. Complete a packing list.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP

OMGT-2687 8.0 * B _____ L

Goal. Write an Equipment Density List (EDL).

Requirement. Given the references and a 30 day scenario, perform the following:

1. Define the purpose of an EDL.
2. Describe essential EDL contents.
3. Complete an EDL.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP
3. Applicable TM

OMGT-2688 4.0 365 B, R, M L

Goal. Identify power requirements.

Requirement. Given a scenario and references, perform the following:

1. List all PEIs required to support the scenario.
2. Determine power requirements for each piece PEI.
3. Determine total power requirements to support all PEIs listed.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Refer to equipment applicable TMs

OMGT-2689 1.0 * B L

Goal. Identify spectrum management procedures.

Requirement. Given the references and a scenario with operational requirements, perform the following:

1. Record frequency requirements.
 - a. Identify submission timelines.
 - b. Identify data elements (-Freq, Location, Power, Dates).
2. Record Satellite Access requirements.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B
2. MCO 2400.2

OMGT-2690 1.0 * B L

Goal. Fill out a Logistics Support Request (LSR).

Requirement. Given a scenario, fill out a request for:

1. Transportation.
2. Material Handling Equipment (MHE).
3. Supplies.
4. Personnel.

Performance Standard. With the aid of reference, submit a completed LSR to the instructor. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

OMGT-2691 2.0 * B L

Goal. Submit a Bill of Material (BOM) request.

Requirement. Given a deployment scenario and references, perform the following:

1. Collect requests from communications maintenance sections.
2. Consolidate required materials into a BOM request.
3. Verify the request is sufficient to support 24-hour operations for the length of the exercise.
4. Validate the content to ensure it meets the requirement.

5. Submit the BOM to the instructor for review.

Performance Standard. With the aid of reference, submit a BOM that supports the scenario to the instructor for review and validation. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

OMGT-2692 1.0 * B L

Goal. Describe common agency doctrinal nets.

Requirement. Given a list of doctrinal net names in acronym format and references, perform the following:

1. Define each net acronym.
2. Describe function for each net.
2. State the frequency spectrum doctrinally used for each net.
3. Identify agencies required to guard each net.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-40.3

OMGT-2693 2.0 * B L

Goal. Identify communication service request procedures.

Requirement. Given the references and a scenario with operational requirements, perform the following:

1. Identify submission timelines.
2. Identify data elements.
 - a. Internet protocol addresses.
 - b. Location, user accounts.
 - c. Dates.
 - d. Phone lines.
 - e. C2 application support.
 - f. Data network services (NIPR/SIPR).
 - g. Firewall exemptions.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B

OMGT-2694 2.0 * B, R _____ L

Goal. Draw a site diagram for the TAOC.

Requirement. Given the references and operational documents, draw a site diagram depicting locations and connectivity of the following equipment:

1. MTAOM(s).
3. CTN.
4. CAC2S.
5. Generators.
5. ECUs.

Performance Standard. Draw a site diagram that supports the given scenario without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2
2. MCWP 3-25.4

7.11 MISSION SKILL TRAINING (3000)

7.11.1 Purpose. To provide the requisite advanced skills and working knowledge to employ the MACCS and ancillary equipment in order to accomplish the Marine Air Support Squadron missions.

7.11.2 General.

7.11.2.1 Prerequisite.

7.11.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in Core Skill and Core Plus phases.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crew member assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual properly demonstrating the event performance standard.

(4) Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited as a prerequisite for follow-on training events.

(5) Refresher Training. Refresher training is required once a individual has been absent from a technician billet for 36 months or longer. Upon return, the individual will complete R-coded events in the Attain table; else the technician will maintain proficiency by completing the R-coded events in the Maintain table.

7.11.2.3 Stages. The following stages are included in the Mission Skill Phase of training.

| PAR NO. | STAGE NAME |
|---------|---|
| 7.11.3 | INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) |

| | |
|--------|--|
| 7.11.4 | INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) |
| 7.11.5 | INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) |
| 7.11.6 | EQUIPMENT (EQUIP) |
| 7.11.7 | MAINTENANCE MANAGEMENT (MMGT) |
| 7.11.8 | OPERATIONAL MANAGEMENT (OMGT) |

7.11.3 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

7.11.3.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

7.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-3280 7.0 1095 B, R, M E L

Goal. Explain concepts included in A+ exam 220-801.

Requirement. Without the aid of references, explain:

1. PC Hardware.
2. Networking.
3. Laptop.
7. Printers.
7. Operational Procedures.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-3281 7.0 1095 B, R, M E L

Goal. Explain concepts included in A+ exam 220-802.

Requirement. Without the aid of references, explain:

1. Operating Systems.
2. Security.
3. Mobile Devices.
7. Troubleshooting.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2255, 2256, 2257, 2258

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

7.11.4 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

7.11.4.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

7.11.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-3282 7.0 1095 B, R, M E L

Goal. Explain concepts included in Network+ exam N10-007.

Requirement. Without the aid of references, explain:

1. Networking Concepts.
2. Network Installation and Configuration.
3. Network Media and Topologies.
7. Network Management.
7. Network Security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

7.11.5 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

7.11.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

7.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-3283 7.0 1095 B, R, M E L

Goal. Explain concepts included in Security + exam SY0-301.

Requirement. Without the aid of reference, explain:

1. Network Security.
2. Operational Security.
3. Threats and vulnerabilities.
7. Cryptography.
7. Access control and identity management.
6. Application, data and host security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

7.11.6 EQUIPMENT (EQUIP) STAGE

7.11.6.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

7.11.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-3461 4.0 * B, R L

Goal. Perform System Administration.

Requirement. Given a scenario, ensure the following:

1. Manage disaster recovery plan.
2. Manage logfiles.
3. Manage user accounts.
4. Apply software release updates.
5. Monitor disk space.
6. Manage system passwords.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. TM 12041A/15050A-OD/2 CAC2S System User Manual

EQUIP-3462 4.0 * B L

Goal. Set-up the PDS.

Requirement. Given a PDS and a core capable crew, perform the following:

1. Emplace the PDS.
2. Safely ground equipment.
3. Test the grounds.
5. Ensure power is connected to the shelter.
6. Apply power.
 - a. Verify inputs and phases.
 - b. Power up PDS and all ancillary equipment in proper sequence.
7. Configure components.

8. Perform system check.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Utilities mechanic to properly connect and power up required generator.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. TM 12041A/15050A-OD/2 CAC2S System User Manual

EQUIP-3463 4.0 * B L

Goal. Set up the PDS in the TAOC.

Requirement. Given a PDS and a core capable crew, conduct the following:

1. Setup the PDS.
2. Setup the TDS equipment within OPFAC.
3. Verify configuration of TDS equipment.
4. Perform operational check of TDS equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. TM 12041A/15050A-OD/2 CAC2S System User Manual

EQUIP-3464 6.0 1095 B,R,M L

Goal. Integrate the PDS into the communications architecture.

Requirement. Given a scenario and references, conduct the following:

1. Integrate PDS into unit comm architecture.
 - a. Make liaison with unit sections involved.
 - b. Ensure equipment configurations between PDS meets mission requirement.
 - c. Validate the transmission of data between systems.
 - d. Troubleshoot anomalies.
2. Integrate PDS into the MACCS comm architecture.
 - a. Make liaison with MACCS agency involved.
 - b. Ensure equipment configurations between PDS meets mission requirement.
 - c. Validate the transmission of data between systems.
 - d. Troubleshoot anomalies.

Performance Standard. Given a core competent crew, validate the PDS is integrated into the communications architecture without error. Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. Applicable external MACCS agencies.

Reference.

1. Site diagrams
2. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
3. TM 12041A/12050-OD/2 System Users Manual (SUM)
4. TM 12041A/15050A-OD/2 CAC2S System User Manual

7.11.7 MAINTENANCE MANAGEMENT (MMGT) STAGE

7.11.7.1 Purpose. To train the trainee on the advanced skills necessary to perform as a member of a maintenance shop.

7.11.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-3660 2.0 * B L

Goal. Ensure the corrective maintenance repair process is being conducted.

Requirement. With the aid of references, ensure the timely performance of all corrective maintenance actions per the references by performing the following:

1. Verify the induction process is followed.
2. Ensure correctness of the service request and NAVMC 1018.
3. Determine availability of resources.
4. Ensure proper troubleshooting of faulty item.
5. Ensure repair parts are ordered.
6. Ensure faulty item is repaired.
7. Ensure safety measures are adhered to during repair process.
8. Ensure quality control procedures are followed.
9. Verify Modification Instruction (MI) and Technical Instruction (TI).
10. Verify proper closeout of service request.
11. Ensure equipment record is updated.

Performance Standard. With the aid of references, conduct each step of the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C
2. TM-4700-15/1_
3. UM-4790.5
4. MCO P4400.16G
5. MCBUL 3000
6. Associated Equipment TM

MMGT-3661 2.0 1095 B, M L

Goal. Validate SECREP assets.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review and provide recommendations for organizational Critical Low Density SECREP (CLD) assets and required on-hand quantities:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2C w/ch.1-2
2. MCO P4400.150E W/ERRATUM CH 1-2
3. FEDLOG

7.11.8 OPERATIONAL MANAGEMENT (OMGT) STAGE

7.11.8.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

7.11.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-3710 1.0 1095 B, M L

Goal. Provide input to the operational plan.

Requirement. Given a simulation/operation and command guidance, provide input for the operation plan by performing the following:

1. Verify mission requirements.
2. Determine mission essential equipment.
3. Provide input for the Equipment Density List.
4. Assign maintenance personnel to meet mission requirements.
5. Verify communications plan supports mission execution.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operations Order
2. MCRP 5.11.1

OMGT-3711 2.0 * B L

Goal. Organize and assign crews for deployment.

Requirement. Given a scenario and references, perform the following:

1. Review an MSHARP report to determine individual Marine CMMR standing.
2. Assign maintenance personnel to crews dependent upon mission requirements. Factors include, but are not limited to:
 - Tactical licenses.
 - Active clearance.
 - Courier designations.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.5
2. Unit TO

OMGT-3713 8.0 1095 B, M MTAOM or CAC2S L

Goal. Deploy a communications system ISO operations.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.
4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.
8. Emplace equipment IAW operational requirement/plan.
9. Integrate systems IAW the operational requirement/plan.
10. Verify communications as required.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6_
2. Applicable TMs/UMs

OMGT-3715 8.0 * B L

Goal. Prepare system for embark.

Requirement. Given an Equipment Density List (EDL) that supports the mission, prepare system for embark/retrograde:

1. Conduct proper system power down/teardown.
2. Layout and conduct an SL-3 inventory of the equipment.
3. Conduct Limited Technical Inspections on listed equipment.
4. Pack and secure equipment.
5. Create a packing list.
6. Placard/label the shelters for embark.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6_ (Standard Embarkation Management System)
2. TM 12041A/15050A-OD/2 CAC2S System User Manual

7.12 CORE PLUS TRAINING (4000)

7.12.1 Purpose. To provide Core Skill Plus training. A certain number of Core Skill Plus qualified Marines must be maintained to accomplish special

missions or tasks, to include supervision and training of a core competent crew. The Marine is exposed to advanced MACCS integration and employment of the TAOC or EW/C within a joint environment.

7.12.2 General.

7.12.2.1 Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

7.12.2.2 Admin Notes. The following information is provided to guide the Marine in the training of this Phase:

(1) Training in this phase does not preclude simultaneous training in the Mission Skill and Core Skill Advanced phases.

(2) Individual Core Skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crewmember assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual properly demonstrating the event performance standard.

7.12.2.3 Stages. The following stages are included in the Core Plus Skill Introduction Phase of training.

| PAR NO. | STAGE NAME |
|---------|---------------------------------|
| 7.12.3 | DATA LINK COORDINATOR |
| 7.12.4 | MAINTENANCE MANAGEMENT (MMGT) |
| 7.12.5 | OPERATIONAL MANAGEMENT (OMGT) |
| 7.12.6 | MARINE AIR CONTROL GROUP (MACG) |

7.12.3 DATA LINK COORDINATOR (DLC) STAGE

7.12.3.1 Purpose. Provides the trainee instruction to operate, configure, and troubleshoot doctrinal datalinks and protocols.

7.12.3.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None

Crew Requirements. None

DLC-4320 1.0 * B _____ L

Goal. State the purpose of Interface Coordination.

Requirement. Given the reference:

1. State who controls the establishment of the Multi-TDL interface.
2. Define the following:
 - a. Data registration.
 - b. Sensor registration.
 - c. Correlation.
 - d. Common track.
 - e. Dual designation.
3. List the steps of the data registration test.
4. State which unit will normally be assigned as the data registration reference unit in a Multi-TDL environment.
5. List the five correlation restrictions for reported tracks.
6. List the eight operational contingency constraints (OCCs) for a track.
7. List the six steps for voice resolution of a dual designation.
8. IAW the JM TOP, what is the single most important element of information of the TDL interface.
9. Outline the ID difference resolution procedures.
10. Define a Change Data Order (CDO).
11. State who on the interface may originate a CDO.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01_, Joint Multi-TDL Operating Procedures (JM TOP) Manual
2. MIL STD 6016_

DLC-4321 1.0 * B _____ L

Goal. Know the types and purpose of data filters.

Requirement. Given the reference:

1. State the purpose of the data filters.
2. State the personnel responsible for data filters and their associated duties.
3. Describe the characteristics of prearranged and non-prearranged data filters.
4. State the function of filter numbers and identify codes associated with the following types of unit filter types:
 - a. Link 11 Transmit filter.
 - b. Link 11B Transmit filter.
 - c. Link 16 Transmit filter.
 - d. Data forwarding filter for data forwarded from Link 11 to Link 11B.
 - e. Data forwarding filter for data forwarded from Link 11B to Link 11.
 - f. Transmit filter for all data links in a multi-link interface.
 - g. Data forwarding filter for data forwarded from Link 16 to Link 11.
 - h. Data forwarding filter for data forwarded from Link 16 to Link 11B.
 - i. Data forwarding filter for data forwarded from Link 16 to Link 11/11B.
 - j. Data forwarding filter for data forwarded from Link 11 or Link 11B to Link 16.
5. List essential information that should be included when establishing a data filter.
6. State the purpose of the following data filter types:
 - a. Geographic filters.
 - b. Fixed or slaved filters.
 - c. Identification filters.
 - d. Environment filters.
 - e. Reference point filters.
 - f. EW filters.
 - g. Special Processing Indicator (SPI) filters.
7. State operational factors that may dictate the use of data filters.
8. State the doctrinal restrictions on the establishment of data filters.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual

DLC-4322 1.0 * B L

Goal. State the characteristics of and terms associated with Link 11.

Requirement. Given the reference:

1. State the general description of Link 11.
2. Define the following Link 11 station modes of operation:
 - a. Net Control Station (NCS).
 - b. Picket.
3. Define the following Link 11 net modes of operation:
 - a. Roll Call.
 - b. Broadcast (Long).
 - c. Short Broadcast.
 - d. Net Sync.
 - e. Net Test.
4. State the purpose of the following Link 11 waveforms:
 - a. Conventional Link 11 Waveform (CLEW).
 - b. Single Tone Link 11 Waveform (SLEW).
5. Describe the characteristics of the following Link 11 data encryption modes:
 - a. A1.
 - b. A2.
 - c. B.
 - d. Plain Text.
6. Define Data Link Reference Point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.
7. Describe Link 11 Gridlock.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-4323 1.0 * B L

Goal. State the characteristics of and terms associated with Link 11B.

Requirement. Given the reference:

1. State the general description of Link 11B.
2. State the communications mediums that Link 11B can be transmitted over.
3. State the most common encryption devices used for Link 11B.
4. State the purpose of "strapping," with respect to Link 11B encryption devices.
5. Define the following Link 11B data transmission modes:
 - a. Limited Transmission of Data (LTD) mode.
 - b. Full Transmission of Data (FTD) mode.
6. Define Data Link Reference point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-4324 1.0 * B L

Goal. State the characteristics of Link 16.

Requirement. Given references:

1. State the general description of Link 16.
2. Define the list of following terms associated with Link 16:
 - a. Active Synchronization.
 - b. Backlink Command and Control JTIDS/MIDS Unit (C2 JU).
 - c. Conditional Radio Silence Mode.
 - d. Contention Access Mode.
 - e. Dedicated Access Mode.
 - f. Donor.
 - g. Dynamic Network Management.
 - h. Extension Word.
 - i. Geodetic Position Quality.
 - j. Header Message.
 - k. Host System.
 - l. Initial Entry.
 - m. Initial Entry JTIDS/MIDS Unit (IEJU).

c. Picket.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website
<https://standmgt.disa.mil/restricted/usmtf/>

DLC-4327 2.0 730 B, R, M L

Goal. Operate Link 11B.

Requirement. Given the references, operational documents, and a C2 system:

1. extract required information from the OPTASK LINK.
2. Input database entries per the OPTASK LINK.
3. Enter and activate data filters per the OPTASK LINK.
4. Ensure equipment is correctly configured.
5. Ensure cryptographic equipment is keyed.
6. Perform proper net entry procedures.
7. Perform net exit procedures.
8. Operate in the following modes:
 - a. Limited Transmission of Data (LTD).
 - b. Full Transmission of Data (FTD).

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website
<https://standmgt.disa.mil/restricted/usmtf/>

DLC-4328 2.0 730 B, R, M L

Goal. Operate Link 16.

Requirement. Given an OPTASK LINK, Network Description Document (NDD), Initialization Data Load (IDL), and a C2 system:

1. Extract required information from the OPTASK LINK.
2. Enter required database entries per the OPTASK LINK.
3. Enter and activate filters per the OPTASK LINK.
4. Identify Stacked Net assignments for voice and air control.
5. Enter and valid stacked net assignments in the database.
6. Validate equipment is configured correctly.
7. Validate the equipment is keyedLoad the appropriate time and IDL.
8. Load the initialization data load (IDL).
9. Perform link entry procedures Perform net exit procedures.
10. Achieve fine synchronization with another interface unit.
11. Operate in/as the following:
 - a. Radio Silent or data silent.
 - b. Network Time Reference (NTR).
 - c. Initial Entry JTIDS Unit (IEJU).

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. Link 16 capable platform(s).

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. Understanding Link 16 Handbook, A Guidebook for US Navy and US Marine Corps Operators
3. MIL STD 6016E, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

DLC-4329 2.0 730 B, R, M L

Goal. Configure the Joint Range Extension-Gateway (JRE-GW).

Requirement. Given a C2 system:

1. Configure own unit data.
2. Configure JRE-GW client software, to include:
 - a. Clients.
 - b. Roles.
 - c. Client Applications Settings.
 - d. JRE Client Map functions.
3. Configure the JRE Overlay Editor tool.
4. Configure the following JRE Client Tool menu items:
 - a. Operator Action.
 - b. eDERG.
 - c. ATO.
 - d. ACO.
5. Configure the JRE-GW to host a Multifunctional Information Distribution System (MIDS) terminal.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Version 5.3.x Software User Manual

DLC-4330 2.0 730 B, R, M L

Goal. Operate JREAP A.

Requirement. Given a JRE-GW, SATCOM radio assets, Satellite Access Authorization (SAA), OPTASKLINK, and assistance from maintenance and communications sections:

1. Extract satellite communications information from the SAA.
2. Configure the radio for JREAP A operations.
3. Load crypto into the radio.
4. Validate JREAP A equipment is connected.

5. Validate the SATCOM antenna has the correct elevation and azimuth.
6. Build the JREAP A link in the JRE-GW.
7. Enter and activate filters in the JRE-GW.
8. Enable and disable the correct link connections.
9. Activate and exchange information.
10. Demonstrate the ability to operate in the following modes:
 - a. Network Participant.
 - b. Network Controller.
 - c. Network Listener.

Performance Standard. Successfully exchange tracks.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. Link 16 capable platform(s).

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-4331 2.0 730 B, R, M L

Goal. Operate JREAP B.

Requirement. Given a JRE-GW, a serial line encryption device, and assistance from maintenance and communications sections:

1. Configure the serial line encryption device for JREAP B operations.
2. Ensure the serial line encryption device is connected to the JRE-GW and telephone line.
3. Build the JREAP B link in the JRE-GW.
4. Enter and activate filters in the JRE-GW per the OPTASK LINK.
5. Enable and disable the correct link connections.
6. Activate and exchange information with JREAP B.

Performance Standard. Successfully exchange information/data.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPT) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-4332 2.0 730 B, R, M L

Goal. Operate JREAP C.

Requirement. Given a JRE-GW, SIPRNET access, and assistance from maintenance and communications sections:

1. Ensure the JRE-GW is configured with the correct IP address.
2. Ensure the JRE-GW is connected to the network.
3. Build a JREAP C IP links in the JRE-GW.
 - a. TCP.
 - b. UDP.
 - c. MTC.
 - d. MTDS.
4. Enter and activate filters in the JRE-GW per the OPTASK LINK.
5. Enable and disable the correct link connections.
6. Activate and exchange information with JREAP-C (either TCP or UDP).

Performance Standard. Successfully exchange information/data.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPT) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-4333 3.0 * B L

Goal. Troubleshoot Link 11.

Requirement. Given a C2 system with an operational Link 11:

1. Determine if the internal data path being used for Link 11 is functional.
2. Determine if the TAOC is in the NCS's polling sequence.
3. Use transmit and receive quality to determine connectivity.
4. Select and monitor Link 11 messages.
5. Recognize and take appropriate action for an incorrect DLRP.
6. Recognize and take appropriate action for incorrect crypto.
7. Elevate unresolvable issues to the Crew Chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. System Technical Manual

DLC-4335 3.0 * B L

Goal. Troubleshoot Link 16.

Requirement. Given a C2 system with Link 16:

1. Determine if the internal data path being used for Link 16 is functional.
2. Recognize and take appropriate action for incorrect time.
3. Recognize and take appropriate action for incorrect crypto.
4. Recognize and take appropriate action for incorrect IDL.
5. Select and monitor Link 16 messages.
6. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 16
3. System Technical Manual

DLC-4336 3.0 * B L

Goal. Troubleshoot JREAP A.

Requirement. Given a C2 system with a malfunctioning JREAP A:

1. Use the SATCOM radio's receive signal strength orderwire (RSSOW) to troubleshoot antenna elevation and azimuth.
2. Troubleshoot the SATCOM radio's satellite connection status.
3. Determine if the TAOC's Interface Unit address is in the Network Controller's subscriber list.
4. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. System Technical Manual

DLC-4337 3.0 * B L

Goal. Troubleshoot JREAP B.

Requirement. Given a C2 system with a malfunctioning JREAP B:

1. Verify distant end and local settings on the STEs.
2. Identify low quality phones lines to the crew chief.
3. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. JRE Version 5.3.x Software User Manual

DLC-4338 3.0 * B _____ L

Goal. Troubleshoot JREAP C.

Requirement. Given a C2 system with a malfunctioning JREAP C:

1. Use the ping and trace route functions to determine if a network connection exists between two computers.
2. Identify firewall exemptions to the communication's section to open blocked ports.
3. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. JRE Version 5.3.x Software User Manual

7.12.4 MAINTENANCE MANAGEMENT (MMGT) STAGE

7.12.4.1 Purpose. To train the trainee on the basic skills necessary to perform as a member of a maintenance shop.

7.12.4.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None

Crew Requirements. None

MMGT-4600 3.0 * B L

Goal. Ensure preparatory measures are taken for disposition of equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, ensure unserviceable/obsolete equipment is properly disposed.

1. Provide supply with disposition request.
2. Ensure final SL-3/LTI is performed.
3. Ensure record jackets are turned-in with equipment.
4. Provide supply with required documentation to remove from CMR.

Performance Standard. With the aid of reference, verbally describe the process to dispose of equipment according to the disposition instructions. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Equipment Disposition Instructions
2. Supply Instructions
3. SL-3 or other inventory documents.
4. MCO P4400.82F Regulated Controlled Item Management
5. UM 4400-125 (Draft)

MMGT-4604 2.0 * B L

Goal. Define RA with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Requisition Authority Funds.
2. Identify regulations governing.
3. What can be purchased.

Performance Standard. With the aid of reference, define the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR) Volume 2A, Chapter 1]

MMGT-4605 2.0 * B L

Goal. Define PE with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Planning Estimate funds.
2. Regulations governing.
3. What can be purchased.

Performance Standard. With the aid of reference, define the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411,

2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003,
8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR)] Volume 2A, Chapter 1]

MMGT-4608 16.0 * B, R L

Goal. Inspect maintenance functional areas.

Requirement. Given the applicable references and inspection checklists, demonstrate the procedures for inspecting functional areas.

1. State the purpose for inspecting functional areas.
2. List the functional areas in your section.
3. Schedule an inspection.
4. Inform functional area managers of the inspection.
5. Conduct an inspection on the three selected areas.
6. Document the result of the inspection.
7. State to whom the inspection findings are submitted.

Performance Standard. With the aid of reference, conduct an inspection on three functional areas and submit the findings to the instructor without error. Minor errors corrected by the trainee are acceptable. The instructor will review the findings with the Marine.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. FSMAO Checklist
2. CGI Checklist
3. Unit SOP
4. MMOSOP

MMGT-4609 2.0 * B L

Goal. State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).

Requirement. Given a scenario and applicable references:

1. Pull TO&E via the Total Force Structure Management System (TFSMS).
2. Validate the requirement for change.
3. Complete TOECR form, NAVMC 11355.
4. Identify compensation for T/O changes when possible.
5. Provide an explanation/reason for change request on the change request form in plain English.
6. Provide a copy of the NAVMC 11355 to the instructor for review and validation.

Performance Standard. Complete the requirement items to support the scenario without error. Minor errors corrected by the trainee are acceptable. Instructor will ensure the NAVMC 11355 supports the scenario requirement.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5311.1_
2. Unit TO&E

MMGT-4610 2.0 * B L

Goal. Identify the Marine Corps Urgent Needs Process (MCUNP).

Requirement. Given the references and an equipment requirement, complete the MCUNP form.

1. State the purpose of the MCUNP.
2. State the purpose of the urgent Universal Needs Statement (UNS).
3. State the purpose of the deliberate UNS.
4. Complete an Urgent UNS form.
5. Complete a deliberate UNS form.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 11475
2. MCO 3900.17_

MMGT-4611 40.0 * B L

Goal. Conduct a Consolidated Memorandum Receipt (CMR) Review.

Requirement. Given the references and a maintenance section's CMR, ensure equipment accountability and requirements by performing the following:

1. State the purpose of a CMR.
2. Review TE.
3. Conduct a CMR inventory.
 - a. Ensure SL-3 accountability for assumption and relief.
 - b. Determine Using Unit Responsibility (UURI)/Government Furnished Equipment (GFE) requirements.
 - c. Ensure equipment have record jackets.
 - d. Maintain equipment receipt/transfer documents.
 - e. Identify discrepancies, if any.
4. Write and submit a Request for Investigation IAW MCO 4400.150.

Performance Standard. With the aid of reference, complete a CMR review without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150_
2. CMR
3. MMO SOP

MMGT-4613 13.0 * B L

Goal. Identify the functions of maintenance management.

Requirement. With the aid of reference, perform the following:

1. Identify the references associated with the MIMMS.
2. Identify the objectives of MIMMS.
3. Identify equipment maintenance management procedures.
4. Identify the responsibilities of maintenance management personnel.
5. Identify the information contained in the Table of Organization and Equipment (T/O&E).
6. Identify the steps to submit a T/O&E change request.
7. Identify the purpose of supply reports used in Maintenance Management.
8. Identify the procedures to reconcile a Consolidated Memorandum Receipt (CMR).
9. Identify the purpose of maintenance support programs.
10. Identify that describes Repairable Issue Point (RIP) procedures.
11. Identify the RIP customer re-computation procedures.
12. Identify the steps in the Recoverable Item Report (WIR) procedures.

Performance Standard. With the aid of reference, pass an exam.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MCO P4790.1_
3. UM 4790.5
4. MCBUL 3000
5. MCO P4400.16_
6. DLA Handbook
7. Unit MMSOP
8. UM 4400-125 (Draft)
9. MCO 5311.1_
10. Unit TO&E
11. MCO P4400.150_
12. CMR
13. MMO SOP
14. MCO 4400.151_

MMGT-4662 2.0 * B L

Goal. Assess maintenance funding requirements.

Requirement. With the aid of references and given equipment maintenance history, projected TEEP, and anticipated maintenance

shortfalls, propose funding allocations for maintenance activities.

1. Identify and prioritize funding requirements.
2. Provide a maintenance funding request based on requirements and prior year utilization.
3. Provide an anticipated maintenance funding request based on the unit's TEEP.

Performance Standard. With the aid of reference, submit a budget request with justification to the Instructor for final approval without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150_
2. MCO P7100.8_

7.12.5 OPERATIONAL MANAGEMENT (OMGT) STAGE

7.12.5.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

7.12.5.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None

Crew Requirements. None

OMGT-4714 8.0 * B L

Goal. Deploy a maintenance capability.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.

4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6_
2. Applicable TMs/UMs

7.12.6 MARINE AIR CONTROL GROUP (MACG) STAGE

7.12.6.1 Purpose. To teach the trainee common communication and data flow within the MACG.

7.12.6.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None.

Crew Requirements. None

MACG-4750 1.0 * B _____ L

Goal. Identify TACC Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1.MCRP 5-12D
- 2.MCWP 3-25.4
- 3.Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4751 1.0 * B L

Goal. Identify TAOC and EW/C communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4752 1.0 * B L

Goal. Identify DASC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4753 1.0 * B _____ L

Goal. Identify UAS Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4754 1.0 * B L

Goal. Identify LAAD Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4755 1.0 * B L

Goal. Identify MATC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4756 2.0 * B, R L

Goal. Draw a Communications Diagram for the agencies within the MACG.

Requirement. Given the references and operational diagrams, draw a communications diagram depicting the information exchange requirements for the following agencies:

1. TACC.
2. TAOC.
3. DASC.
4. MATC.
5. UAS.
6. LAAD.

Performance Standard. Pass an exam. Draw a communications diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2
2. MCWP 3-25.4

7.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

7.13.1 Purpose. To provide technicians the additional skills necessary to instruct, evaluate and approve event completions. Upon completion of the required training, an individual may be approved for instructor designation by the commanding officer.

7.13.2 General.

7.13.2.1 Prerequisiste. None

7.13.2.2 Admin Notes.

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to the concepts of managing a WTTP, properly conducting training, performing evaluations, and recommending training plans.

b. There are different instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

(3) The MAWTS-1 C3 Course catalog contains the training requirements for the above listed instructors. The catalog is located at the MAWTS-1 website, <https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>.

(4) The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

| INSTRUCTOR | Event Training, Evaluation and Approval |
|------------|--|
| BI | Core Skill events in which current and proficient. |
| SI | Core Skill, Mission Skill, and Core Plus events in which current and proficient. |

7.13.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

| PAR NO. | STAGE NAME |
|---------|---------------------------------|
| 7.13.3 | INSTRUCTOR UNDER TRAINING (IUT) |

7.13.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

7.13.3.1 Purpose. To train Aviation Communication System Technicians in the fundamentals of instructing and training processes.

7.13.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

| T&R CODE | EVENT DESCRIPTION | INSTRUCTOR |
|----------|---|------------|
| 5000 | Introduce principles of instruction | BI |
| 5010 | Understand the structure of an event | BI |
| 5020 | Conduct a period of instruction on a core skill event | BI |

| | | |
|------|--|----|
| 5100 | Understand the Aviation Training and Readiness (T&R) Program | SI |
| 5110 | Understand the applicable community T&R program | SI |
| 5120 | Understand T&R administration | SI |
| 5130 | Develop a training plan | SI |
| | | |

7.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000)

7.14.1 Purpose. This phase provides community standardization for technician qualifications and designations; combat leaders and instructor designations; and tracking of collateral duties (CD) assignments,. This syllabus does not contain "one time" certification training requirements.

7.14.2 General.

7.14.2.1 Prerequisiste. None

7.14.2.2 Admin Notes.

(1) This section enables units to document and track combat leaders, instructors, technician and CD assignments. All syllabus training and administration requirements must be complete prior to being qualified or designated. A qualification or designation is not effective until all administration is completed.

(2) Only once an individual is qualified or designated in writing, the signed letter is filed in the IPR, and all administrative actions are completed, and the event code has been logged in M-SHARP shall the qualification or designation be effective.

7.14.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

| PAR NO. | STAGE NAME |
|---------|-----------------------|
| 7.14.3 | QUALIFICATION (QUAL) |
| 7.14.4 | CERTIFICATIONS (CERT) |
| 7.14.5 | DESIGNATION (DESG) |
| 7.14.6 | SCHOOL CODES (SCHL) |

7.14.3 QUALIFICATIONS (QUAL) STAGE

7.14.3.1 Purpose. To provide for basic and advanced technician qualifications.

7.14.3.2 General

Prerequisite. Refer to the Core Skill and Mission Skill phases for qualification events.

Admin Notes. Policies and rules for attaining and maintaining qualifications are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

QUAL-6104 0.5 * _____ L

Goal. Qualification as an Tactical Data Systems Administrator Basic Technician (TDSABT).

Requirement. Complete required Tactical Data Systems Basic Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

QUAL-6105 0.5 * _____ L

Goal. Qualification as an Tactical Data Systems Administrator Advanced Technician (TDSAAT).

Requirement. Complete required Tactical Data Systems Advanced Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

7.14.4 CERTIFICATIONS (CERT) STAGE

7.14.4.1 Purpose. To provide for certifications of Information Assurance Work Force personnel. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a certification are current prior to approving that certification. If prerequisite R-coded events are delinquent, the individual shall update those events.

7.14.4.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining certification are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. NONE.

CERT-6200 7.0 * B L

Goal. Certification as a COMPTIA A+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA 220-801 and COMPTIA 220-802. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

CERT-6201 7.0 * B L

Goal. Certification as a COMPTIA Network+ Technician.

Requirement. Complete the required industry certification exam, COMPTIA N10-007. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263, 3282

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

CERT-6202 7.0 * B L

Goal. Certification as a COMPTIA Security+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA SY0-301. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269, 3283

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

7.14.5 DESIGNATIONS (DESG) STAGE

7.14.5.1 Purpose. To provide for designation of combat leaders and instructors. Designations are command specific and expire when an individual transfers out of a command. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a designation are current prior to approving that designation. If prerequisite R-coded events are delinquent, the individual shall update those events.

7.14.5.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining designations are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

DESG-6307 1.0 *

 L

Goal. Designation as a Tactical Data Systems Crew Chief (TDSCC).

Requirement. Complete required Tactical Data Systems Crew Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2213, 2214, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3463, 3464, 3660, 3661, 3710, 3711, 3713, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6320 1.0 *

 L

Goal. Designation as a Basic Instructor (BI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 5000, 5010, 5020, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14_

DESG-6321 1.0 *

 L

Goal. Designation as a Senior Instructor (SI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14_

DESG-6340 1.0 * L

Goal. Designation as a Maintenance Safety NCO.

Requirement. Perform all duties associated with the Maintenance Safety NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.
1. Unit SOP

DESG-6341 1.0 * L

Goal. Designation as a Maintenance HAZMAT NCO.

Requirement. Perform all duties associated with the Hazmat NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6342 1.0 * L

Goal. Designation as a Maintenance Publications NCO.

Requirement. Perform all duties associated with the Publications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6343 1.0 * L

Goal. Designation as a Maintenance Tools NCO.

Requirement. Perform all duties associated with the Tools NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2233

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6344 1.0 * L

Goal. Designation as a Maintenance Calibrations NCO.

Requirement. Perform all duties associated with the Calibrations NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2231

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6345 1.0 * L

Goal. Designation as a Maintenance Modifications NCO.

Requirement. Perform all duties associated with the Modifications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2232, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6346 1.0 * _____ L

Goal. Designation as a Maintenance Embarkation NCO.

Requirement. Perform all duties associated with the Embarkation NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2237

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6347 1.0 * _____ L

Goal. Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (MIMMS) NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2159, 2230, 2602

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6348 1.0 * _____ L

Goal. Designation as a Maintenance Training NCO.

Requirement. Perform all duties associated with the Training NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6351 1.0 * L

Goal. Designation as a Maintenance Quality Control (QC) NCO.

Requirement. Perform all duties associated with the Quality Control NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

7.14.6 SCHOOL CODES (SCHL) STAGE

7.14.6.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5974 in the skill progression of the Marine.

7.14.6.2 General

Prerequisite. NONE.

Admin Notes. Policies and prerequisites for attending the listed schools are maintained within MCTIMS.

Crew Requirements. NONE.

| T&R CODE | COURSE NAME | LOCATION | CID/CIN |
|-----------|---|----------------------------------|---------|
| SCHL-6013 | System Administrator | Hurlburt Field, FL | F19L2U2 |
| SCHL-6014 | Network Administrator | Hurlburt Field, FL | F19L9W2 |
| SCHL-6020 | Link 16 Basics Course (JT-100) | Joint Knowledge Online (JKO) | |
| SCHL-6021 | Intro to Multi TDL Network (JT-101) | Fort Bragg, NC | N/A |
| SCHL-6022 | Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102) | Fort Bragg, NC | A36L6Z1 |
| SCHL-6023 | Link 16 Joint Interoperability Course (US-109) | Joint Knowledge Online (JKO) | N/A |
| SCHL-6024 | Multi TDL Planner Course (JT-201) | Fort Bragg, NC | A05KHY1 |
| SCHL-6025 | Link 16 Unit Manager (LUM) Course (JT-220) | Fort Bragg, NC | N/A |
| SCHL-6073 | Micro miniature Electronic Repair | C4I Elec. Trng Det, San Diego CA | N01A351 |
| SCHL 6079 | JRE-GW Operators' Course | Titan L3 | N/A |

7.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

7.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

7.15.2 General

7.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

7.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

7.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

| PAR NO. | STAGE NAME |
|---------|------------------|
| 7.15.3 | CONDITION (COND) |

7.15.3 CONDITION (COND) STAGE

7.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

7.15.3.2 General

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Intent (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
7. Equipment Density List (EDL)

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B, R, M C2 System L/S

Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
7. Identify equipment requirements
7. Conduct an RSOP
6. Identify, create, and finalize administrative documents supporting the operation
7. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of personnel
10. Conduct TAOC operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.

Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.

1. U-TAOC-PCL-03862, TAOC Pocket Checklist
2. MCWP 3-27.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B, R, M L/S

Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect TAOC communication
3. Coordinate with higher to provide TAOC requirements
7. Coordinate site security, camouflage, dispersion, and trafficability
7. Identify locations for emplacement of communications and support equipment
6. Coordinate priorities for equipment emplacement
7. Identify echelon considerations
8. Identify Advanced Party/RSOP Team
9. Occupy the site
10. Emplace the TAOC

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 TAOC Pocket Checklist
2. MCWP 3-27.7, TAOC Handbook
3. Squadron SOP

7.16 AVIATION CAREER PROGRESSION MODEL (8000).

7.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)

Aviation Ground Support
Joint Air Operations
ACE Battle Staff
MAGTF
Seabased Operations
Combatant Commander Organizations

7.16.2 General. The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced instruction.

MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM program of instruction:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/Aviation%20Career%20Progression%20Model/Forms/AllItems.aspx>

Completed events shall be manually logged and tracked in M-SHARP.

ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

| STAGE | TRNG CODE | T&R DESCRIPTION | ACAD TIME | TO BE COMPLETED DURING |
|-------|-----------|---|-----------|------------------------|
| ACPM | 8000 | MACCS | 1 | 2000 PHASE |
| ACPM | 8001 | MARINE AIR COMMAND AND CONTROL SYSTEM | 4 | 2000 PHASE |
| ACPM | 8002 | TACTICAL AIR COMMAND CENTER (TACC) | 4 | 2000 PHASE |
| ACPM | 8003 | DIRECT AIR SUPPORT CENTER (DASC) | 4 | 2000 PHASE |
| ACPM | 8004 | TACTICAL AIR OPERATIONS CENTER (TAOC) | 4 | 2000 PHASE |
| ACPM | 8005 | MARINE AIR TRAFFIC CONTROL (MATC) | 4 | 2000 PHASE |
| ACPM | 8006 | LOW ALTITUDE AIR DEFENSE (LAAD) | 4 | 2000 PHASE |
| ACPM | 8007 | Marine Unmanned Aerial Vehicle Squadron (VMU) | 4 | 2000 PHASE |
| ACPM | 8008 | MARINE WING COMMUNICATION SQUADRON (MWCS) | 4 | 2000 PHASE |
| ACPM | 8020 | ACE | 1 | 2000 PHASE |
| ACPM | 8021 | AVIATION OPERATIONS | 4 | 2000 PHASE |
| ACPM | 8022 | CONTROL OF AIRCRAFT AND MISSILES | 4 | 2000 PHASE |
| ACPM | 8023 | OFFENSIVE AIR SUPPORT (OAS) | 4 | 2000 PHASE |
| ACPM | 8024 | ASSAULT SUPPORT | 4 | 2000 PHASE |
| ACPM | 8025 | AIR RECONNAISSANCE | 4 | 2000 PHASE |
| ACPM | 8026 | ELECTRONIC WARFARE | 4 | 2000 PHASE |
| ACPM | 8027 | ANTI-AIR WARFARE | 4 | 2000 PHASE |
| ACPM | 8028 | AVIATION GROUND SUPPORT | 4 | 2000 PHASE |
| ACPM | 8040 | THREAT | 1 | 3000 PHASE |
| ACPM | 8041 | SURFACE TO AIR THREAT TO THE MAGTF | 4 | 3000 PHASE |
| ACPM | 8042 | FIXED WING THREAT TO THE MAGTF | 4 | 3000 PHASE |
| ACPM | 8043 | ROTARY WING THREAT TO THE MAGTF | 4 | 3000 PHASE |
| ACPM | 8044 | MISSILE AND UAS THREAT TO THE MAGTF | 4 | 3000 PHASE |
| ACPM | 8060 | MAGTF | 1 | 4000 PHASE |
| ACPM | 8061 | GROUND COMBAT OPERATIONS | 4 | 4000 PHASE |
| ACPM | 8062 | FIRE SUPPORT COORDINATION IN THE GCE | 4 | 4000 PHASE |
| ACPM | 8063 | MAGTF COMMAND AND CONTROL | 4 | 4000 PHASE |
| ACPM | 8064 | MAGTF COMMUNICATIONS | 4 | 4000 PHASE |
| ACPM | 8065 | PHASING CONTROL ASHORE | 4 | 4000 PHASE |
| ACPM | 8066 | INFORMATION MANAGEMENT | 4 | 4000 PHASE |
| ACPM | 8067 | UAS SUPPORT OF THE MAGTRF | 4 | 4000 PHASE |
| ACPM | 8080 | JOINT AIR OPERATIONS | 1 | 4000 PHASE |
| ACPM | 8081 | COMMAND AND CONTROL OF JOINT AIR OPERATIONS | 4 | 4000 PHASE |
| ACPM | 8082 | THEATER AIR CROUND SYSTEM (TAGS) | 4 | 4000 PHASE |
| ACPM | 8083 | JOINT FIRE SUPPORT | 4 | 4000 PHASE |

| | | | | | |
|------------------|------|---|--|----|------------|
| ACPM | 8084 | CLOSE AIR SUPPORT | | 4 | 4000 PHASE |
| ACPM | 8085 | JOINT TARGETING | | 4 | 4000 PHASE |
| ACPM | 8086 | NORTH ATLANTIC TREATY ORGANIZATION (NATO) | | 4 | 4000 PHASE |
| ACPM | 8087 | JOINT AIRSPACE CONTROL | | 4 | 4000 PHASE |
| ACPM | 8088 | COUNTERING AIR AND MISSILE THREATS | | 4 | 4000 PHASE |
| TOTAL ACPM STAGE | | | | 40 | 145 |

7.17 T&R ATTAIN AND MAINTAIN TABLES

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|---|--------|------|-------|-----------|------|---------------|------|----------------------|------|------------|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| CORE SKILL (2000 Phase) | | | | | | | | | | | |
| Conduct an SL-3 inventory. | CMN | 2150 | * | CMN | 2150 | | | | | - | - |
| Identify the purpose of Preventive Maintenance Checks and Services (PMCS). | CMN | 2151 | * | CMN | 2151 | | | | | - | - |
| Submit a Product Quality Deficiency Report (PQDR). | CMN | 2152 | * | CMN | 2152 | | | | | - | - |
| Demonstrate an earth ground installation. | CMN | 2153 | * | CMN | 2153 | | | | | 2173 | - |
| Describe the characteristics of unit T/E generators. | CMN | 2154 | * | CMN | 2154 | CMN | 2154 | | | - | - |
| Emplace shelter. | CMN | 2156 | * | CMN | 2156 | | | | | 2155 | - |
| Cable shelter for power. | CMN | 2157 | * | CMN | 2157 | | | | | 2156 | - |
| Demonstrate how to maintain a tool box. | CMN | 2158 | * | CMN | 2158 | | | | | 2150, 2151 | - |
| Initiate a service request. | CMN | 2159 | * | CMN | 2159 | CMN | 2159 | CMN | 2159 | - | - |
| Utilize a Ground Tester. | TMDE | 2173 | * | TMDE | 2173 | TMDE | 2173 | TMDE | 2173 | - | - |
| Utilize a multimeter. | TMDE | 2175 | * | TMDE | 2175 | TMDE | 2175 | TMDE | 2175 | - | - |
| Utilize LAN analyzer. | TMDE | 2180 | * | TMDE | 2180 | TMDE | 2180 | TMDE | 2180 | - | - |
| Describe proper handling and storage of classified materials. | COMSEC | 2190 | 365 | COMSEC | 2190 | COMSEC | 2190 | COMSEC | 2190 | - | - |
| State the physical security requirements for classified areas. | COMSEC | 2191 | 365 | COMSEC | 2191 | COMSEC | 2191 | COMSEC | 2191 | - | - |
| Create a classified area physical security diagram. | COMSEC | 2192 | 365 | COMSEC | 2192 | COMSEC | 2192 | COMSEC | 2192 | 2191 | - |
| Conduct classified material inventory. | COMSEC | 2193 | 365 | COMSEC | 2193 | COMSEC | 2193 | COMSEC | 2193 | 2190 | - |
| Extract key material information from EKMS COMSEC callout. | COMSEC | 2194 | * | COMSEC | 2194 | COMSEC | 2194 | | | 2190 | - |
| Utilize a Common Fill Device. | COMSEC | 2195 | 365 | COMSEC | 2195 | COMSEC | 2195 | COMSEC | 2195 | 2190 | - |
| Ensure CMCC handling procedures are followed. | COMSEC | 2196 | * | COMSEC | 2196 | | | | | 2190 | - |
| Ensure EKMS material handling procedures are followed. | COMSEC | 2197 | * | COMSEC | 2197 | | | | | 2190 | - |
| Ensure CCI material handling procedures are followed. | COMSEC | 2198 | * | COMSEC | 2198 | | | | | 2190 | - |
| Ensure physical security of classified areas. | COMSEC | 2199 | 365 | COMSEC | 2199 | COMSEC | 2199 | COMSEC | 2199 | 2191, 2192 | - |
| Describe HF, VHF, UHF, SATCOM radio characteristics. | FAM | 2210 | * | FAM | 2210 | | | | | - | - |
| Describe MTAOM equipment. | FAM | 2214 | * | FAM | 2214 | | | | | - | - |
| Describe T/E radios. | FAM | 2217 | * | FAM | 2217 | | | | | - | - |
| Familiarization with LRR equipment. | FAM | 2219 | * | FAM | 2219 | | | | | - | - |
| Familiarization with MRR equipment. | FAM | 2220 | * | FAM | 2220 | | | | | - | - |
| Describe the Identification Friend or Foe (IFF) MK XII interrogator system. | FAM | 2221 | * | FAM | 2221 | | | | | - | - |
| Describe TAOLAN. | FAM | 2222 | * | FAM | 2222 | | | | | - | - |
| Identify the major components of the Composite Tracking Network (CTN). | FAM | 2223 | * | FAM | 2223 | | | | | - | - |

TAOC MAINTENANCE MOS 5974

CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX

| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING | |
|--|-----------------|-------|------|-----------|-------|---------------|-------|----------------------|-------|--|----------|------|
| | T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | | | CODE |
| State the maintenance Collateral Duties (CD). | CD | 2230 | * | CD | 2230 | CD | 2230 | | | - | - | |
| Identify the Maintenance Calibrations Program. | CD | 2231 | * | CD | 2231 | | | | | 2230 | - | |
| Identify the Maintenance Modifications Program. | CD | 2232 | * | CD | 2232 | | | | | 2230 | - | |
| Manage the Tool Control Program. | CD | 2233 | * | CD | 2233 | | | | | 2230 | - | |
| Identify the Maintenance Publications Library. | CD | 2234 | * | CD | 2234 | | | | | 2230 | - | |
| Identify major Maintenance Safety Program elements. | CD | 2235 | * | CD | 2235 | | | | | 2230 | - | |
| State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center. | CD | 2236 | * | CD | 2236 | | | | | 2230 | - | |
| Identify the key elements of the Maintenance Embarkation Program. | CD | 2237 | * | CD | 2237 | | | | | 2230 | - | |
| Identify the equipment record jacket. | CD | 2238 | * | CD | 2238 | | | | | 2230 | - | |
| Perform Quality Control Procedures. | CD | 2241 | 1460 | CD | 2241 | CD | 2241 | CD | 2241 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2215, 2217, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 3461, 3462, 3463, 3464, 3660, 3715, 6105 | | - |
| Identify the Maintenance Training program. | CD | 2243 | * | CD | 2243 | | | | | 2230 | - | |
| Explain PC hardware. | IAWFAT | 2250 | * | IAWFAT | 2250 | | | | | - | - | |
| Explain networking concepts. | IAWFAT | 2251 | * | IAWFAT | 2251 | | | | | - | - | |
| Explain laptop features and characteristics. | IAWFAT | 2252 | * | IAWFAT | 2252 | | | | | - | - | |
| Explain printer features and characteristics. | IAWFAT | 2253 | * | IAWFAT | 2253 | | | | | - | - | |
| Explain operational procedures. | IAWFAT | 2254 | * | IAWFAT | 2254 | | | | | - | - | |
| Explain operating systems. | IAWFAT | 2255 | * | IAWFAT | 2255 | | | | | - | - | |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|---|--------|-----------|-------|--------|---------------|-------|----------------------|-------|---------|------------------------|---|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | BASIC POI | | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING | |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Explain security. | IAWFAT | 2256 | * | IAWFAT | 2256 | | | | | - | - |
| Explain Mobile Devices. | IAWFAT | 2257 | * | IAWFAT | 2257 | | | | | - | - |
| Explain Troubleshooting. | IAWFAT | 2258 | * | IAWFAT | 2258 | | | | | - | - |
| Explain Networking Concepts. | IAWFNT | 2259 | * | IAWFNT | 2259 | | | | | - | - |
| Explain Network Installation and Configuration. | IAWFNT | 2260 | * | IAWFNT | 2260 | | | | | - | - |
| Explain Network Media and Topologies. | IAWFNT | 2261 | * | IAWFNT | 2261 | | | | | - | - |
| Explain Network Management. | IAWFNT | 2262 | * | IAWFNT | 2262 | | | | | - | - |
| Explain Network Security. | IAWFNT | 2263 | * | IAWFNT | 2263 | | | | | - | - |
| Explain Network Security. | IAWFST | 2264 | * | IAWFST | 2264 | | | | | - | - |
| Explain Operational Security. | IAWFST | 2265 | * | IAWFST | 2265 | | | | | - | - |
| Explain threats and vulnerabilities. | IAWFST | 2266 | * | IAWFST | 2266 | | | | | - | - |
| Explain cryptography. | IAWFST | 2267 | * | IAWFST | 2267 | | | | | - | - |
| Explain access control and identity management. | IAWFST | 2268 | * | IAWFST | 2268 | | | | | - | - |
| Explain application, data and host security. | IAWFST | 2269 | * | IAWFST | 2269 | | | | | - | - |
| Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS). | EQUIP | 2380 | * | EQUIP | 2380 | | | | | - | - |
| Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS). | EQUIP | 2381 | * | EQUIP | 2381 | | | | | - | - |
| Troubleshoot tactical data systems. | EQUIP | 2407 | * | EQUIP | 2407 | | | | | - | - |
| Perform PMCS on ADPE. | EQUIP | 2408 | * | EQUIP | 2408 | | | | | - | - |
| Initiate corrective maintenance on TDS ADPE. | EQUIP | 2409 | * | EQUIP | 2409 | | | | | - | - |
| State the purpose of Automated Data Processing Equipment (ADPE). | EQUIP | 2410 | * | EQUIP | 2410 | | | | | - | - |
| Setup PDS network equipment. | EQUIP | 2411 | * | EQUIP | 2411 | | | | | - | - |
| Configure workstation. | EQUIP | 2412 | 730 | EQUIP | 2412 | EQUIP | 2412 | EQUIP | 2412 | - | - |
| Configure printer. | EQUIP | 2413 | 730 | EQUIP | 2413 | EQUIP | 2413 | EQUIP | 2413 | - | - |
| Configure PDS network equipment. | EQUIP | 2414 | 730 | EQUIP | 2414 | EQUIP | 2414 | EQUIP | 2414 | - | - |
| Install ADPE operating system software. | EQUIP | 2415 | * | EQUIP | 2415 | | | | | - | - |
| Configure ADPE C2 application software. | EQUIP | 2416 | 730 | EQUIP | 2416 | EQUIP | 2416 | EQUIP | 2416 | - | - |
| Perform network management. | EQUIP | 2417 | * | EQUIP | 2417 | EQUIP | 2417 | | | - | - |
| Perform disaster recovery management. | EQUIP | 2418 | * | EQUIP | 2418 | EQUIP | 2418 | | | - | - |
| Perform logfile management. | EQUIP | 2419 | * | EQUIP | 2419 | EQUIP | 2419 | | | - | - |
| Perform network data storage management. | EQUIP | 2420 | * | EQUIP | 2420 | EQUIP | 2420 | | | - | - |
| Perform account management. | EQUIP | 2421 | * | EQUIP | 2421 | EQUIP | 2421 | | | - | - |
| Apply Software release updates. | EQUIP | 2422 | * | EQUIP | 2422 | EQUIP | 2422 | | | - | - |
| Manage disk space. | EQUIP | 2423 | * | EQUIP | 2423 | EQUIP | 2423 | | | - | - |
| Create a Preventive Maintenance Checks and Services (PMCS) schedule. | MMGT | 2601 | * | MMGT | 2601 | | | | | 2151 | - |
| Reconcile Global Combat Supply System (GCSS) reports. | MMGT | 2602 | * | MMGT | 2602 | MMGT | 2602 | | | 2159 | - |
| Identify the SECREP management process. | MMGT | 2603 | * | MMGT | 2603 | | | | | - | - |
| Induct new equipment into service. | MMGT | 2606 | * | MMGT | 2606 | | | | | 2150, 2159, 2231, 2238 | - |
| Phase out equipment. | MMGT | 2607 | * | MMGT | 2607 | | | | | 2150 | - |
| Verify inventory control procedures are implemented. | MMGT | 2612 | * | MMGT | 2612 | | | | | 2150, 2159 | - |
| Ensure equipment is inducted into maintenance cycle. | MMGT | 2614 | * | MMGT | 2614 | | | | | 2159 | - |
| Identify the purpose of communication planning documents. | OMGT | 2680 | * | OMGT | 2680 | | | | | - | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|--|-----------|------|-------|---------------|------|----------------------|------|---------|----------|------------------------------------|---|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | BASIC POI | | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING | | |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Determine required equipment to support a mission. | OMGT | 2681 | 365 | OMGT | 2681 | OMGT | 2681 | OMGT | 2681 | - | - |
| Conduct communications portion of a site survey. | OMGT | 2682 | 1460 | OMGT | 2682 | OMGT | 2682 | OMGT | 2682 | - | - |
| Identify crew requirements and write a crew schedule. | OMGT | 2683 | * | OMGT | 2683 | | | | | - | - |
| Determine supply support requirements. | OMGT | 2684 | * | OMGT | 2684 | | | | | 2691 | - |
| Develop an embarkation plan. | OMGT | 2685 | * | OMGT | 2685 | | | | | 2687 | - |
| Write a packing list. | OMGT | 2686 | 1460 | OMGT | 2686 | OMGT | 2686 | OMGT | 2686 | - | - |
| Write an Equipment Density List (EDL). | OMGT | 2687 | * | OMGT | 2687 | | | | | - | - |
| Identify power requirements. | OMGT | 2688 | 365 | OMGT | 2688 | OMGT | 2688 | OMGT | 2688 | - | - |
| Identify spectrum management procedures. | OMGT | 2689 | * | OMGT | 2689 | | | | | - | - |
| Fill out a Logistics Support Request (LSR). | OMGT | 2690 | * | OMGT | 2690 | | | | | - | - |
| Submit a Bill of Material (BOM) request. | OMGT | 2691 | * | OMGT | 2691 | | | | | - | - |
| Describe common agency doctrinal nets. | OMGT | 2692 | * | OMGT | 2692 | | | | | - | - |
| Identify communication service request procedures. | OMGT | 2693 | * | OMGT | 2693 | | | | | - | - |
| Draw a site diagram for the TAOC. | OMGT | 2694 | * | OMGT | 2694 | OMGT | 2694 | | | - | - |
| MISSION SKILL (3000 Phase) | | | | | | | | | | | |
| T&R EVENT INFORMATION | BASIC POI | | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING | | |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Explain concepts included in A+ exam 220-801. | IWFAT | 3280 | 1095 | IWFAT | 3280 | IWFAT | 3280 | IWFAT | 3280 | 2250, 2251, 2252, 2253, 2254 | - |
| Explain concepts included in A+ exam 220-802. | IWFAT | 3281 | 1095 | IWFAT | 3281 | IWFAT | 3281 | IWFAT | 3281 | 2255, 2256, 2257, 2258 | - |
| Explain concepts included in Network+ exam N10-005. | IWFNT | 3282 | 1095 | IWFNT | 3282 | IWFNT | 3282 | IWFNT | 3282 | 2259, 2260, 2261, 2262, 2263 | - |
| Explain concepts included in Security + exam SY0-301. | IWFST | 3283 | 1095 | IWFST | 3283 | IWFST | 3283 | IWFST | 3283 | 2264, 2265, 2266, 2267, 2268, 2269 | - |
| Perform System Administration. | EQUIP | 3461 | * | EQUIP | 3461 | EQUIP | 3461 | | | - | - |
| Set-up the PDS. | EQUIP | 3462 | * | EQUIP | 3462 | | | | | - | - |
| Set up the PDS in the TAOC. | EQUIP | 3463 | * | EQUIP | 3463 | | | | | - | - |
| Integrate the PDS into the communications architecture. | EQUIP | 3464 | * | EQUIP | 3464 | EQUIP | 3464 | EQUIP | 3464 | - | - |
| Ensure the corrective maintenance repair process is being conducted. | MMGT | 3660 | * | MMGT | 3660 | | | | | - | - |
| Validate SECREP assets. | MMGT | 3661 | 1095 | MMGT | 3661 | MMGT | 3661 | MMGT | 3661 | - | - |
| Provide input to the operational plan. | OMGT | 3710 | 1095 | OMGT | 3710 | OMGT | 3710 | OMGT | 3710 | - | - |
| Organize and assign crews for deployment. | OMGT | 3711 | * | OMGT | 3711 | | | | | - | - |
| Deploy a communications system ISO operations. | OMGT | 3713 | 1095 | OMGT | 3713 | OMGT | 3713 | OMGT | 3713 | - | - |
| Prepare system for embark. | OMGT | 3715 | * | OMGT | 3715 | | | | | - | - |
| MISSION SKILL (3000 Phase) | | | | | | | | | | | |
| T&R EVENT INFORMATION | BASIC POI | | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING | | |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| State the Purpose of Interface Coordination | DLC | 4320 | * | DLC | 4320 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Know the types and purpose of data filters | DLC | 4321 | * | DLC | 4321 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| State the characteristics of and terms associated with Link 11 | DLC | 4322 | * | DLC | 4322 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|---|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| State the characteristics of and terms associated with Link 11B | DLC | 4323 | * | DLC | 4323 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| State the characteristics of Link 16 | DLC | 4324 | * | DLC | 4324 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| State the characteristics of Joint Range Extension Application Protocol (JREAP) | DLC | 4325 | * | DLC | 4325 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|---|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Operate Link 11 | DLC | 4326 | 730 | DLC | 4326 | DLC | 4326 | DLC | 4326 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Operate Link 11B | DLC | 4327 | 730 | DLC | 4327 | DLC | 4327 | DLC | 4327 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Operate Link 16 | DLC | 4328 | 730 | DLC | 4328 | DLC | 4328 | DLC | 4328 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Configure the Joint Range Extension-Gateway (JRE-GW) | DLC | 4329 | 730 | DLC | 4329 | DLC | 4329 | DLC | 4329 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Operate JREAP A | DLC | 4330 | 730 | DLC | 4330 | DLC | 4330 | DLC | 4330 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Operate JREAP B | DLC | 4331 | 730 | DLC | 4331 | DLC | 4331 | DLC | 4331 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|---|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Operate JREAP C | DLC | 4332 | 730 | DLC | 4332 | DLC | 4332 | DLC | 4332 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Troubleshoot Link 11 | DLC | 4333 | * | DLC | 4333 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Troubleshoot Link 16 | DLC | 4335 | * | DLC | 4335 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|---|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Troubleshoot JREAP A | DLC | 4336 | * | DLC | 4336 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Troubleshoot JREAP B | DLC | 4337 | * | DLC | 4337 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Troubleshoot JREAP C | DLC | 4338 | * | DLC | 4338 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Ensure preparatory measures are taken for disposition of equipment | MMGT | 4600 | * | MMGT | 4600 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Define RA with regards to O&M funds | MMGT | 4604 | * | MMGT | 4604 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Define PE with regards to O&M funds | MMGT | 4605 | * | MMGT | 4605 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | | |
|---|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Inspect maintenance functional areas | | MMGT | 4608 | * | MMGT | 4608 | MMGT | 4608 | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR) | | MMGT | 4609 | * | MMGT | 4609 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Identify the Marine Corps Urgent Needs Process (MCUNP) | | MMGT | 4610 | * | MMGT | 4610 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Conduct a Consolidated Memorandum Receipt (CMR) Review | MMGT | 4611 | * | MMGT | 4611 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Identify the functions of maintenance management | MMGT | 4613 | * | MMGT | 4613 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Assess maintenance funding requirements | MMGT | 4662 | * | MMGT | 4662 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|--|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Deploy a maintenance capability | OMGT | 4714 | * | OMGT | 4714 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Identify TACC Communications information exchange requirements. | MACG | 4750 | 1095 | MACG | 4750 | MACG | 4750 | MACG | 4750 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Identify TAOC and EW/C communications information exchange requirements. | MACG | 4751 | 1095 | MACG | 4751 | MACG | 4751 | MACG | 4751 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|---|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Identify DASC communications information exchange requirements. | MACG | 4752 | 1095 | MACG | 4752 | MACG | 4752 | MACG | 4752 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Identify UAS Communications information exchange requirements. | MACG | 4753 | 1095 | MACG | 4753 | MACG | 4753 | MACG | 4753 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Identify LAAD Communications information exchange requirements. | MACG | 4754 | 1095 | MACG | 4754 | MACG | 4754 | MACG | 4754 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

| TAOC MAINTENANCE MOS 5974 | | | | | | | | | | | |
|---|-------|------|-------|-----------|------|---------------|------|----------------------|------|--|----------|
| CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX | | | | | | | | | | | |
| T&R EVENT INFORMATION | | | | BASIC POI | | REFRESHER POI | | MAINTAIN PROFICIENCY | | PREREQS | CHAINING |
| T&R DESCRIPTION | STAGE | CODE | REFLY | STAGE | CODE | STAGE | CODE | STAGE | CODE | | |
| Identify MATC communications information exchange requirements. | MACG | 4755 | 1095 | MACG | 4755 | MACG | 4755 | MACG | 4755 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |
| Draw a Communications Diagram for the agencies within the MACG. | MACG | 4756 | 1095 | MACG | 4756 | MACG | 4756 | MACG | 4756 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - |

7.18 T&R SYLLABUS MATRIX

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS) | | | | | | | | | | | | | | | | | | |
| AIR SCHOOLS (AIRS) | | | | | | | | | | | | | | | | | | | |
| AIRS | 1070 | Configure the PDS. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1071 | Maintain data circuits with the PDS. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1072 | Manage Windows based systems. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1074 | Manage UNIX based systems. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1075 | Manage Networked Operating Systems (NOS). | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1076 | Configure the Communication Data-link System (CDLS). | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1077 | Configure virtualized server computing environment. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1078 | Configure TBMCs remotes. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1079 | Configure Network Security. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1080 | Configure Intelligence Operations Server (IOS). | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1081 | Configure the Joint Range Extension (JRE). | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1082 | Establish Tactical Data Systems (TDS) Networks. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1083 | Configure Advanced Field Artillery Tactical Data System (AFATDS). | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1084 | Configure the Link Management System Multi Tactical Data Link (LMS-MT). | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1085 | Establish all Joint Range Extension Application Protocol (JREAP) types with an ADSI. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1086 | Establish all Joint Range Extension Application Protocol (JREAP) types with a JRE. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1087 | Establish Link-16. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1088 | Establish Link-16. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1089 | Establish Link-11. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1090 | Establish Link-11B. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1091 | Describe Windows based systems. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1092 | Describe UNIX based systems. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1093 | Describe Tactical Data Systems (TDS) Networks. | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |
| AIRS | 1094 | Describe Networked Operating Systems | B | E | G | - | - | D | * | 0 | 0 | 0.0 | - | - | - | - | - | - | - |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|--|------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | (NOS). | | | | | | | | | | | | | | |
| AIRS | 1095 | Describe Network Security concepts. | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1096 | Describe Link-11. | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1097 | Describe Link-11B. | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1098 | Describe Link-16. | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1099 | Describe Joint Range Extension Application Protocol (JREAP). | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1100 | Describe Link Management System Multi Tactical Data Link (LMS-MT). | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1101 | Describe Intelligence Operations Server (IOS). | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1102 | Describe TBMCS. | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1103 | Describe a virtualized server computing environment. | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1104 | Identify Tactical Data Systems Technician duties at MACCS agencies. | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1105 | Describe the Combat Operations Center (COC). | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1106 | Describe Advanced Field Artillery Tactical Data System (AFATDS). | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| AIRS | 1120 | Describe functions of the Marine Air Command and Control System (MACCS). | B | E | G | - | - | D | * | 0 | 0 | 0 | 0 | 0.0 | - | - | - | - | - |
| TOTAL AIR SCHOOLS (AIRS) SKILL STAGE | | | | | | | | | | 37 | 0 | 0 | 0 | 0 | 0.0 | | | | |
| TOTAL CORE SKILL INTRODUCTION PHASE TRAINING (1000 PHASE) | | | | | | | | | | 37 | 0 | 0 | 0 | 0 | 0.0 | | | | |
| MACCS MAINTENANCE COMMON (CMN) | | | | | | | | | | | | | | | | | | | |
| CMN | 2150 | Conduct an SL-3 inventory. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| CMN | 2151 | Identify the purpose of Preventive Maintenance Checks and Services (PMCS). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.5 | - | - | - | - | - |
| CMN | 2152 | Submit a Product Quality Deficiency Report (PQDR). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| CMN | 2153 | Demonstrate an earth ground installation. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 3.0 | 2173 | - | - | - | - |
| CMN | 2154 | Describe the characteristics of unit T/E generators. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| CMN | 2156 | Emplace shelter. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | 2155 | - | - | - | - |
| CMN | 2157 | Cable shelter for power. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | 2156 | - | - | - | - |
| CMN | 2158 | Demonstrate how to maintain a tool box. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2150, 2151 | - | - | - | - |
| CMN | 2159 | Initiate a service request. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | - |
| TOTAL MACCS MAINTENANCE COMMON (CMN) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 9 | 16.5 | | | | |
| TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) | | | | | | | | | | | | | | | | | | | |
| TMDE | 2173 | Utilize a Ground Tester. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| TMDE | 2175 | Utilize a multimeter. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | - |
| TMDE | 2180 | Utilize LAN analyzer. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | - |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|--|-------|---|---------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | | | | | | | | | | # | TIME | # | TIME | # | TIME | | | | |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | | | | | | | | |
| TOTAL TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) STAGE | | | | | | | | | 0 | 0 | 0 | 0 | 3 | 4.0 | | | | | |
| COMMUNICATION SECURITY (COMSEC) | | | | | | | | | | | | | | | | | | | |
| COMSEC | 2190 | Describe proper handling and storage of classified materials. | B, R, M | - | L | - | - | - | 365 | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | |
| COMSEC | 2191 | State the physical security requirements for classified areas. | B, R, M | - | L | - | - | - | 365 | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | |
| COMSEC | 2192 | Create a classified area physical security diagram. | B, R, M | - | L | - | - | - | 365 | 0 | 0 | 0 | 0 | 2.0 | 2191 | - | - | - | |
| COMSEC | 2193 | Conduct classified material inventory. | B, R, M | - | L | - | - | - | 365 | 0 | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | |
| COMSEC | 2194 | Extract key material information from EKMS COMSEC callout. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | |
| COMSEC | 2195 | Utilize a Common Fill Device. | B, R, M | - | L | - | - | - | 365 | 0 | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | |
| COMSEC | 2196 | Ensure CMCC handling procedures are followed. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | |
| COMSEC | 2197 | Ensure EKMS material handling procedures are followed. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | 2190 | - | - | - | |
| COMSEC | 2198 | Ensure CCI material handling procedures are followed. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2190 | - | - | - | |
| COMSEC | 2199 | Ensure physical security of classified areas. | B, R, M | - | L | - | - | - | 365 | 0 | 0 | 0 | 0 | 2.0 | 2191, 2192 | - | - | - | |
| TOTAL COMMUNICATION SECURITY (COMSEC) STAGE | | | | | | | | | 0 | 0 | 0 | 0 | 10 | 19.0 | | | | | |
| FAMILIARIZATION (FAM) | | | | | | | | | | | | | | | | | | | |
| FAM | 2210 | Describe HF, VHF, UHF, SATCOM radio characteristics. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | |
| FAM | 2214 | Describe MTAOM equipment. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| FAM | 2217 | Describe T/E radios. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| FAM | 2219 | Familiarization with LRR equipment. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| FAM | 2220 | Familiarization with MRR equipment. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| FAM | 2221 | Describe the Identification Friend or Foe (IFF) MK XII interrogator system. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| FAM | 2222 | Describe TACLAN. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| FAM | 2223 | Identify the major components of the Composite Tracking Network (CTN). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | |
| TOTAL FAMILIARIZATION (FAM) STAGE | | | | | | | | | 0 | 0 | 0 | 0 | 8 | 9.0 | | | | | |
| COLLATERAL DUTY (CD) | | | | | | | | | | | | | | | | | | | |
| CD | 2230 | State the maintenance Collateral Duties (CD). | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 8.0 | - | - | - | - | |
| CD | 2231 | Identify the Maintenance Calibrations Program. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2230 | - | - | - | |
| CD | 2232 | Identify the Maintenance Modifications | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | 2230 | - | - | - | |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|--|---------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | | | | | | | | | | # | TIME | # | TIME | # | TIME | | | | |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | Program. | | | | | | | | | | | | | | | | | |
| CD | 2233 | Manage the Tool Control Program. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | 2230 | - | - | - |
| CD | 2234 | Identify the Maintenance Publications Library. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | 2230 | - | - | - |
| CD | 2235 | Identify major Maintenance Safety Program elements. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | 2230 | - | - | - |
| CD | 2236 | State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | 2230 | - | - | - |
| CD | 2237 | Identify the key elements of the Maintenance Embarkation Program. | B | - | L | - | - | - | * | | 0 | | 0 | | 3.0 | 2230 | - | - | - |
| CD | 2238 | Identify the equipment record jacket. | B | - | L | - | - | - | * | | 0 | | 0 | | 1.0 | 2230 | - | - | - |
| CD | 2241 | Perform Quality Control Procedures. | B, R, M | - | L | - | - | - | 1460 | | | | | | 2.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2215, 2217, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 3461, 3462, 3463, 3464, 3660, 3715, 6105 | - | - | - |
| CD | 2243 | Identify the Maintenance Training program. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | 2230 | - | - | - |
| TOTAL COLLATERAL DUTY (CD) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 11 | 27.0 | | | | |
| INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) | | | | | | | | | | | | | | | | | | | |
| IAWFAT | 2250 | Explain PC hardware. | B | E | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |
| IAWFAT | 2251 | Explain networking concepts. | B | E | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |
| IAWFAT | 2252 | Explain laptop features and characteristics. | B | E | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |
| IAWFAT | 2253 | Explain printer features and characteristics. | B | E | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |
| IAWFAT | 2254 | Explain operational procedures. | B | E | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |
| IAWFAT | 2255 | Explain operating systems. | B | E | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |
| IAWFAT | 2256 | Explain security. | B | E | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |
| IAWFAT | 2257 | Explain Mobile Devices. | B | E | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |
| IAWFAT | 2258 | Explain Troubleshooting. | B | E | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|--|-------|---|---------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | | | | | | | | | | # | TIME | # | TIME | # | TIME | | | | |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA) STAGE | | | | | | | | | 0 | 0 | 0 | 0 | 9 | 36.0 | | | | | |
| INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) | | | | | | | | | | | | | | | | | | | |
| IAWFNT | 2259 | Explain Networking Concepts. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFNT | 2260 | Explain Network Installation and Configuration. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFNT | 2261 | Explain Network Media and Topologies. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFNT | 2262 | Explain Network Management. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFNT | 2263 | Explain Network Security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE | | | | | | | | | 0 | 0 | 0 | 0 | 5 | 20.0 | | | | | |
| INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) | | | | | | | | | | | | | | | | | | | |
| IAWFST | 2264 | Explain Network Security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFST | 2265 | Explain Operational Security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFST | 2266 | Explain threats and vulnerabilities. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFST | 2267 | Explain cryptography. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFST | 2268 | Explain access control and identity management. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| IAWFST | 2269 | Explain application, data and host security. | B | E | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE | | | | | | | | | 0 | 0 | 0 | 0 | 6 | 24.0 | | | | | |
| EQUIPMENT (EQUIP) | | | | | | | | | | | | | | | | | | | |
| EQUIP | 2380 | Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2381 | Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2407 | Troubleshoot tactical data systems. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 8.0 | - | - | - | - | - |
| EQUIP | 2408 | Perform PMCS on ADPE. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2409 | Initiate corrective maintenance on TDS ADPE. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| EQUIP | 2410 | State the purpose of Automated Data Processing Equipment (ADPE). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| EQUIP | 2411 | Setup PDS network equipment. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2412 | Configure workstation. | B, R, M | - | L | - | - | - | 730 | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2413 | Configure printer. | B, R, M | - | L | - | - | - | 730 | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| EQUIP | 2414 | Configure PDS network equipment. | B, R, M | - | L | - | - | - | 730 | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2415 | Install ADPE operating system software. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2416 | Configure ADPE C2 application software. | B, R, M | - | L | - | - | - | 730 | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2417 | Perform network management. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|--|---------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------------------------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | | | | | | | | | | # | TIME | # | TIME | # | TIME | | | | |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | | | | | | | | |
| EQUIP | 2418 | Perform disaster recovery management. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2419 | Perform logfile management. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2420 | Perform network data storage management. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2421 | Perform account management. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | - |
| EQUIP | 2422 | Apply Software release updates. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| EQUIP | 2423 | Manage disk space. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| TOTAL EQUIPMENT (EQUIP) STAGE | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 19 | 69.0 | | | | |
| MAINTENANCE MANAGEMENT (MMGT) | | | | | | | | | | | | | | | | | | | |
| MMGT | 2601 | Create a Preventive Maintenance Checks and Services (PMCS) schedule. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2151 | - | - | - | - |
| MMGT | 2602 | Reconcile Global Combat Supply System (GCSS) reports. | B, R | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4.0 | 2159 | - | - | - | - |
| MMGT | 2603 | Identify the SECREP management process. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| MMGT | 2606 | Induct new equipment into service. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | 2150, 2159, 2231, 2238 | - | - | - | - |
| MMGT | 2607 | Phase out equipment. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | 2150 | - | - | - | - |
| MMGT | 2612 | Verify inventory control procedures are implemented. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.5 | 2150, 2159 | - | - | - | - |
| MMGT | 2614 | Ensure equipment is inducted into maintenance cycle. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2159 | - | - | - | - |
| TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 7 | 13.5 | | | | |
| OPERATIONAL MANAGEMENT (OMGT) | | | | | | | | | | | | | | | | | | | |
| OMGT | 2680 | Identify the purpose of communication planning documents. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| OMGT | 2681 | Determine required equipment to support a mission. | B, R, M | - | L | - | - | - | 365 | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| OMGT | 2682 | Conduct communications portion of a site survey. | B, R, M | - | L | - | - | - | 1460 | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| OMGT | 2683 | Identify crew requirements and write a crew schedule. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| OMGT | 2684 | Determine supply support requirements. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 3.0 | 2691 | - | - | - | - |
| OMGT | 2685 | Develop an embarkation plan. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2687 | - | - | - | - |
| OMGT | 2686 | Write a packing list. | B, R, M | - | L | - | - | - | 1460 | 0 | 0 | 0 | 0 | 8.0 | - | - | - | - | - |
| OMGT | 2687 | Write an Equipment Density List (EDL). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 8.0 | - | - | - | - | - |
| OMGT | 2688 | Identify power requirements. | B, R, M | - | L | - | - | - | 365 | 0 | 0 | 0 | 0 | 4.0 | - | - | - | - | - |
| OMGT | 2689 | Identify spectrum management procedures. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | - |
| OMGT | 2690 | Fill out a Logistics Support Request (LSR). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | - |
| OMGT | 2691 | Submit a Bill of Material (BOM) request. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |
| OMGT | 2692 | Describe common agency doctrinal nets. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | - | - | - | - | - |
| OMGT | 2693 | Identify communication service request | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | - | - | - | - | - |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|--|-------|--|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|-------|------------------------------------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | procedures. | | | | | | | | | | | | | | | | | |
| OMGT | 2694 | Draw a site diagram for the TAOC. | B, R | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | - |
| TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 15 | 43.0 | | | | |
| TOTAL CORE SKILL PHASE (2000 PHASE) | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 102 | 281.0 | | | | |
| MISSION SKILL TRAINING (3000 PHASE EVENTS) | | | | | | | | | | | | | | | | | | | |
| INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE | | | | | | | | | | | | | | | | | | | |
| IAWFAT | 3280 | Explain concepts included in A+ exam 220-801. | B,R,M | E | L | - | - | - | 1095 | | 0 | | 0 | | 4.0 | 2250, 2251, 2252, 2253, 2254 | - | - | - |
| IAWFAT | 3281 | Explain concepts included in A+ exam 220-802. | B,R,M | E | L | - | - | - | 1095 | | 0 | | 0 | | 4.0 | 2255, 2256, 2257, 2258 | - | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 2 | 8.0 | | | | |
| INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE | | | | | | | | | | | | | | | | | | | |
| IAWFNT | 3282 | Explain concepts included in Network+ exam N10-005. | B,R,M | E | L | - | - | - | 1095 | | 0 | | 0 | | 4.0 | 2259, 2260, 2261, 2262, 2263 | - | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 4.0 | | | | |
| INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE | | | | | | | | | | | | | | | | | | | |
| IAWFST | 3283 | Explain concepts included in Security + exam SY0-301. | B,R,M | E | L | - | - | - | 1095 | | 0 | | 0 | | 4.0 | 2264, 2265, 2266, 2267, 2268, 2269 | - | - | - |
| TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 4.0 | | | | |
| EQUIPMENT (EQUIP) | | | | | | | | | | | | | | | | | | | |
| EQUIP | 3461 | Perform System Administration. | B, R | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |
| EQUIP | 3462 | Set-up the PDS. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |
| EQUIP | 3463 | Set up the PDS in the TAOC. | B | - | L | - | - | - | * | | 0 | | 0 | | 4.0 | - | - | - | - |
| EQUIP | 3464 | Integrate the PDS into the communications architecture. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 6.0 | - | - | - | - |
| TOTAL EQUIPMENT (EQUIP) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 4 | 18.0 | | | | |
| MAINTENANCE MANAGEMENT (MMGT) | | | | | | | | | | | | | | | | | | | |
| MMGT | 3660 | Ensure the corrective maintenance repair process is being conducted. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | - |
| MMGT | 3661 | Validate SECREP assets. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 2.0 | - | - | - | - |
| TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 2 | 4.0 | | | | |
| OPERATIONAL MANAGEMENT (OMGT) | | | | | | | | | | | | | | | | | | | |
| OMGT | 3710 | Provide input to the operational plan. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 1.0 | - | - | - | - |
| OMGT | 3711 | Organize and assign crews for deployment. | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | - | - | - | - |
| OMGT | 3713 | Deploy a communications system ISO operations. | B,R,M | - | L | - | - | - | 1095 | | 0 | | 0 | | 8.0 | - | - | - | - |
| OMGT | 3715 | Prepare system for embark. | B | - | L | - | - | - | * | | 0 | | 0 | | 8.0 | - | - | - | - |
| TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 4 | 19.0 | | | | |
| TOTAL MISSION SKILL PHASE (3000 PHASE) | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 14 | 57.0 | | | | |
| MISSION PLUS SKILL TRAINING (4000 PHASE EVENTS) | | | | | | | | | | | | | | | | | | | |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------------------|---|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|--|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | DATA LINK COORDINATOR (DLC) | | | | | | | | | | | | | | | | | | |
| DLC | 4320 | State the Purpose of Interface Coordination | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| DLC | 4321 | Know the types and purpose of data filters | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| DLC | 4322 | State the characteristics of and terms associated with Link 11 | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| DLC | 4323 | State the characteristics of and terms associated with Link 11B | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| DLC | 4324 | State the characteristics of Link 16 | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2150, 2151, 2153, 2155, | - | - | - | |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|---|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|--|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | | | | | | | | | | | 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | | | | |
| DLC | 4325 | State the characteristics of Joint Range Extension Application Protocol (JREAP) | B | - | L | - | - | - | * | | 0 | | 0 | | 1.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| DLC | 4326 | Operate Link 11 | B,R,M | - | L | - | - | - | 730 | | 0 | | 0 | | 2.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| DLC | 4327 | Operate Link 11B | B,R,M | - | L | - | - | - | 730 | | 0 | | 0 | | 2.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| DLC | 4328 | Operate Link 16 | B,R,M | - | L | - | - | - | 730 | | 0 | | 0 | | 2.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, | - | - | - |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|--|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|--|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | | | | | | | | | | | 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | | | | |
| DLC | 4329 | Configure the Joint Range Extension-Gateway (JRE-GW) | B,R,M | - | L | - | - | - | 730 | 0 | 0 | 0 | 0 | 2.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| DLC | 4330 | Operate JREAP A | B,R,M | - | L | - | - | - | 730 | 0 | 0 | 0 | 0 | 2.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| DLC | 4331 | Operate JREAP B | B,R,M | - | L | - | - | - | 730 | 0 | 0 | 0 | 0 | 2.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| DLC | 4332 | Operate JREAP C | B,R,M | - | L | - | - | - | 730 | 0 | 0 | 0 | 0 | 2.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, | - | - | - | |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|----------------------|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|--|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | | | | | | | | | | # | TIME | # | TIME | # | TIME | | | | |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | | | | | | | | | | | | 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | | | |
| DLC | 4333 | Troubleshoot Link 11 | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 3.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| DLC | 4335 | Troubleshoot Link 16 | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 3.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| DLC | 4336 | Troubleshoot JREAP A | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 3.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| DLC | 4337 | Troubleshoot JREAP B | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 3.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, | - | - | - | |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|--|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | | | | | | | | | | | | 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | | | |
| DLC | 4338 | Troubleshoot JREAP C | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 3.0 | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| TOTAL DATA LINK COORDINATOR (DLC) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 19 | 35.0 | | | | |
| MAINTENANCE MANAGEMENT (MMGT) | | | | | | | | | | | | | | | | | | | |
| MMGT | 4600 | Ensure preparatory measures are taken for disposition of equipment | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 3.0 | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| MMGT | 4604 | Define RA with regards to O&M funds | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| MMGT | 4605 | Define PE with regards to O&M funds | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, | - | - | - |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|---|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | | | | | | | | | | | | 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | | | |
| MMGT | 4608 | Inspect maintenance functional areas | B,R | - | L | - | - | - | * | | 0 | | 0 | | 16.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| MMGT | 4609 | State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR) | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| MMGT | 4610 | Identify the Marine Corps Urgent Needs Process (MCUNP) | B | - | L | - | - | - | * | | 0 | | 0 | | 2.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| MMGT | 4611 | Conduct a Consolidated Memorandum Receipt (CMR) Review | B | - | L | - | - | - | * | | 0 | | 0 | | 40.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, | - | - | - |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|---|-------|---|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | | | | | | | | | | # | TIME | # | TIME | # | TIME | | | | |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | | | | | | | | | | | | 8007, 8008 | | | |
| MMGT | 4613 | Identify the functions of maintenance management | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 13.0 | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| MMGT | 4662 | Assess maintenance funding requirements | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 2.0 | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 5 | 82.0 | | | | |
| OPERATIONS MANAGEMENT (OMGT) | | | | | | | | | | | | | | | | | | | |
| OMGT | 4714 | Deploy a maintenance capability | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 8.0 | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| TOTAL OPERATIONS MANAGEMENT (OMGT) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 8.0 | | | | |
| MARINE AIR CONTROL GROUP (MACG) | | | | | | | | | | | | | | | | | | | |
| MACG | 4750 | Identify TACC Communications information exchange requirements. | B,R,M | - | L | - | - | - | 1095 | 0 | 0 | 0 | 0 | 1.0 | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, | - | - | - |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|--|-------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|--|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | | | | | | | | | | | | 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | | | |
| MACG | 4751 | Identify TAOC and EW/C communications information exchange requirements. | B,R,M | - | L | - | - | - | 1095 | 0 | 0 | 0 | 0 | 1.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| MACG | 4752 | Identify DASC communications information exchange requirements. | B,R,M | - | L | - | - | - | 1095 | 0 | 0 | 0 | 0 | 1.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| MACG | 4753 | Identify UAS Communications information exchange requirements. | B,R,M | - | L | - | - | - | 1095 | 0 | 0 | 0 | 0 | 1.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| MACG | 4754 | Identify LAAD Communications information exchange requirements. | B,R,M | - | L | - | - | - | 1095 | 0 | 0 | 0 | 0 | 1.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, | - | - | - | |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|--|-------|---|---------|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|-------|--|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 8007, 8008 | | | |
| MACG | 4755 | Identify MATC communications information exchange requirements. | B, M | - | L | - | - | - | 1095 | 0 | 0 | 0 | 0 | 1.0 | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| MACG | 4756 | Draw a Communications Diagram for the agencies within the MACG. | B, R, M | - | L | - | - | - | 1095 | 0 | 0 | 0 | 0 | 2.0 | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - |
| TOTAL MARINE AIR CONTROL GROUP (MACG) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 5 | 8.0 | | | | |
| TOTAL MISSION PLUS SKILL PHASE (4000 PHASE) | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 30 | 133.0 | | | | |
| TOTAL 2000, 3000, AND 4000 PHASE | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 146 | 471.0 | | | | |
| INSTRUCTOR TRAINING (5000 PHASE EVENTS) | | | | | | | | | | | | | | | | | | | |
| INSTRUCTOR UNDER TRAINING (IUT) | | | | | | | | | | | | | | | | | | | |
| BASIC INSTRUCTOR (BI) | | | | | | | | | | | | | | | | | | | |
| IUT | 5000 | Introduce principles of instruction | B | - | G | - | - | D | * | 0 | 0 | 0 | 0 | 2.0 | | Recommended by SI or WTI | - | - | - |
| IUT | 5010 | Understand the structure of an event | B | - | G | - | - | D | * | 0 | 0 | 0 | 0 | 1.0 | | Recommended by SI or WTI | - | - | - |
| IUT | 5020 | Conduct a period of instruction on a T&R event | B | - | G | - | - | D | * | 0 | 0 | 0 | 0 | 2.0 | | Recommended by SI or WTI | - | - | - |
| TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI) | | | | | | | | | | 0 | 0 | 0 | 0 | 3 | 5.0 | | | | |
| SENIOR INSTRUCTOR (SI) | | | | | | | | | | | | | | | | | | | |
| IUT | 5100 | Understand Aviation T&R program | B | - | G | - | - | D | * | 0 | 0 | 0 | 0 | 2.0 | | 5000, 5010, 5020, 6320 | - | - | - |
| IUT | 5110 | Understand Applicable Community T&R | B | - | G | - | - | D | * | 0 | 0 | 0 | 0 | 2.0 | | 5000, 5010, 5020, 6320 | - | - | - |
| IUT | 5120 | Understand T&R Administration | B | - | G | - | - | D | * | 0 | 0 | 0 | 0 | 2.0 | | 5000, 5010, 5020, 6320 | - | - | - |
| IUT | 5130 | Develop a training plan | B,R,M | - | G | - | - | D | 365 | 0 | 0 | 0 | 0 | 2.0 | | 5000, 5010, 5020, 6320 | - | - | - |
| TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI) | | | | | | | | | | 0 | 0 | 0 | 0 | 4 | 8.0 | | | | |
| TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT) | | | | | | | | | | 0 | 0 | 0 | 0 | 7 | 13.0 | | | | |
| REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE) | | | | | | | | | | | | | | | | | | | |
| QUALIFICATIONS (QUAL) | | | | | | | | | | | | | | | | | | | |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|---|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|--|--------|------------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| QUAL | 6104 | Qualification as an Tactical Data Systems Basic Technician (TDSABT). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 0.5 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | |
| QUAL | 6105 | Qualification as an Tactical Data Systems Administrator Advanced Technician (TDSAAT). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 0.5 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 | - | - | - | |
| TOTAL QUALIFICATIONS STAGE (QUAL) | | | | | | | | | | 0 | 0 | 0 | 0 | 2 | 1.0 | | | | |
| CERTIFICATION (CERT) | | | | | | | | | | | | | | | | | | | |
| CERT | 6200 | Certification as a COMPTIA A+ Technician. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4 | 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281 | - | 3280, 3281 | - | |
| CERT | 6201 | Certification as a COMPTIA Network+ Technician. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4 | 2259, 2260, 2261, 2262, 2263, 3282 | - | 3282 | - | |
| CERT | 6202 | Certification as a COMPTIA Security+ Technician. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 4 | 2264, 2265, 2266, 2267, 2268, 2269, 3283 | - | 3283 | - | |
| TOTAL CERTIFICATION STAGE (CERT) | | | | | | | | | | 0 | 0 | 0 | 0 | 3 | 12.0 | | | | |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|--|-----|---|--------|---|--------|------|-------|------------------------|------|------------|--|-------------|------|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| DESIGNATIONS (DESG) | | | | | | | | | | | | | | | | | | | |
| DESG | 6307 | Designation as a Tactical Data Systems Crew Chief (TDSCC). | B | - | L | - | - | - | * | 0 | 0 | 1.0 | 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2213, 2214, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3463, 3464, 3660, 3661, 3710, 3711, 3713, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 | - | - | - | | | |
| DESG | 6320 | Designation as a Basic Instructor (BI). | B | - | L | - | - | - | * | 0 | 0 | 1.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 5000, 5010, 5020, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 | - | - | - | | | |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|---|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|--|--------|-------|-------|------------|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| DESG | 6321 | Designation as a Senior Instructor (SI). | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 | - | - | - | |
| DESG | 6340 | Designation as a Maintenance Safety NCO. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2230, 2235, 2236 | - | - | - | |
| DESG | 6341 | Designation as a Maintenance HAZMAT NCO. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2230, 2235, 2236 | - | - | - | |
| DESG | 6342 | Designation as a Maintenance Publications NCO. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2230, 2234 | - | - | - | |
| DESG | 6343 | Designation as a Maintenance Tools NCO. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2230, 2233 | - | - | - | |
| DESG | 6344 | Designation as a Maintenance Calibrations NCO. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2230, 2231 | - | - | - | |
| DESG | 6345 | Designation as a Maintenance Modifications NCO. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2230, 2232, 2234 | - | - | - | |
| DESG | 6346 | Designation as a Maintenance Embarkation NCO. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2230, 2237 | - | - | - | |
| DESG | 6347 | Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2159, 2230, 2602 | - | - | - | |
| DESG | 6348 | Designation as a Maintenance Training NCO. | B | - | L | - | - | - | * | 0 | 0 | 0 | 0 | 1.0 | 2230 | - | - | - | |

| TAOC MOS 5974 T&R SYLLABUS MATRIX | | | | | | | | | | | | | | | | | | | |
|--|-------|---|-----|---|--------|---|--------|------|-------|------------------------|------|------------|------|-------------|------|--------|-------|-------|--|
| STAGE | EVENT | | POI | E | DEVICE | | | COND | REFLY | GROUND/ACADEMIC EVENTS | | SIM EVENTS | | LIVE EVENTS | | PREREQ | NOTES | CHAIN | EVENT CONV |
| | CODE | TITLE | | | TYPE | # | OPTION | | | # | TIME | # | TIME | # | TIME | | | | |
| DESG | 6351 | Designation as a Maintenance Quality Control (QC) NCO. | B | - | L | - | - | - | * | 0 | | 0 | | 1.0 | | | | | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 |
| TOTAL DESIGNATION (DESG) STAGE | | | | | | | | | | 0 | 0 | 0 | 0 | 13 | 13.0 | | | | |
| SCHOOL CODES (SCHL) | | | | | | | | | | | | | | | | | | | |
| SCHL | 6013 | Systems Administrator | B | - | G | - | - | L | * | 0 | | 0 | | 0.0 | | - | - | - | |
| SCHL | 6014 | Network Administrator | B | - | G | - | - | L | * | 0 | | 0 | | 0.0 | | - | - | - | |
| SCHL | 6020 | Link 16 Basics Course (JT-100) | B | - | G | - | - | L | * | 0 | | 0 | | 0.0 | | - | - | - | |
| SCHL | 6021 | Intro to Multi TDL Network (JT-101) | B | - | G | - | - | L | * | 0 | | 0 | | 0.0 | | - | - | - | |
| SCHL | 6022 | Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102) | B | - | G | - | - | L | * | 0 | | 0 | | 0.0 | | - | - | - | |
| SCHL | 6023 | Link 16 Joint Interoperability Course (US-109) | B | - | G | - | - | L | * | 0 | | 0 | | 0.0 | | - | - | - | |
| SCHL | 6024 | Multi TDL Planner Course (JT-201) | B | - | G | - | - | L | * | 0 | | 0 | | 0.0 | | - | - | - | |
| SCHL | 6025 | Link 16 Unit Manager (LUM) Course (JT-220) | B | - | G | - | - | L | * | 0 | | 0 | | 0.0 | | - | - | - | |
| SCHL | 6073 | Micro miniature Electronic Repair | B | - | G | - | - | L | * | 0 | | 0 | | 0.0 | | - | - | - | |
| SCHL | 6079 | JRE-GW Operators' Course | B | - | G | - | - | L | * | 0 | | 0 | | 0.0 | | - | - | - | |
| TOTAL SCHOOL CODES STAGE (SCHL) | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.0 | | | | |
| TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD) | | | | | | | | | | 0 | 0.0 | 0 | 0.0 | 18 | 26.0 | | | | |

7.19 ADDITIONAL MATRICES. None

7.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None

7.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

7.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None

CHAPTER 8

AIR DEFENSE SYSTEMS TECHNICIAN (MOS 5979) / INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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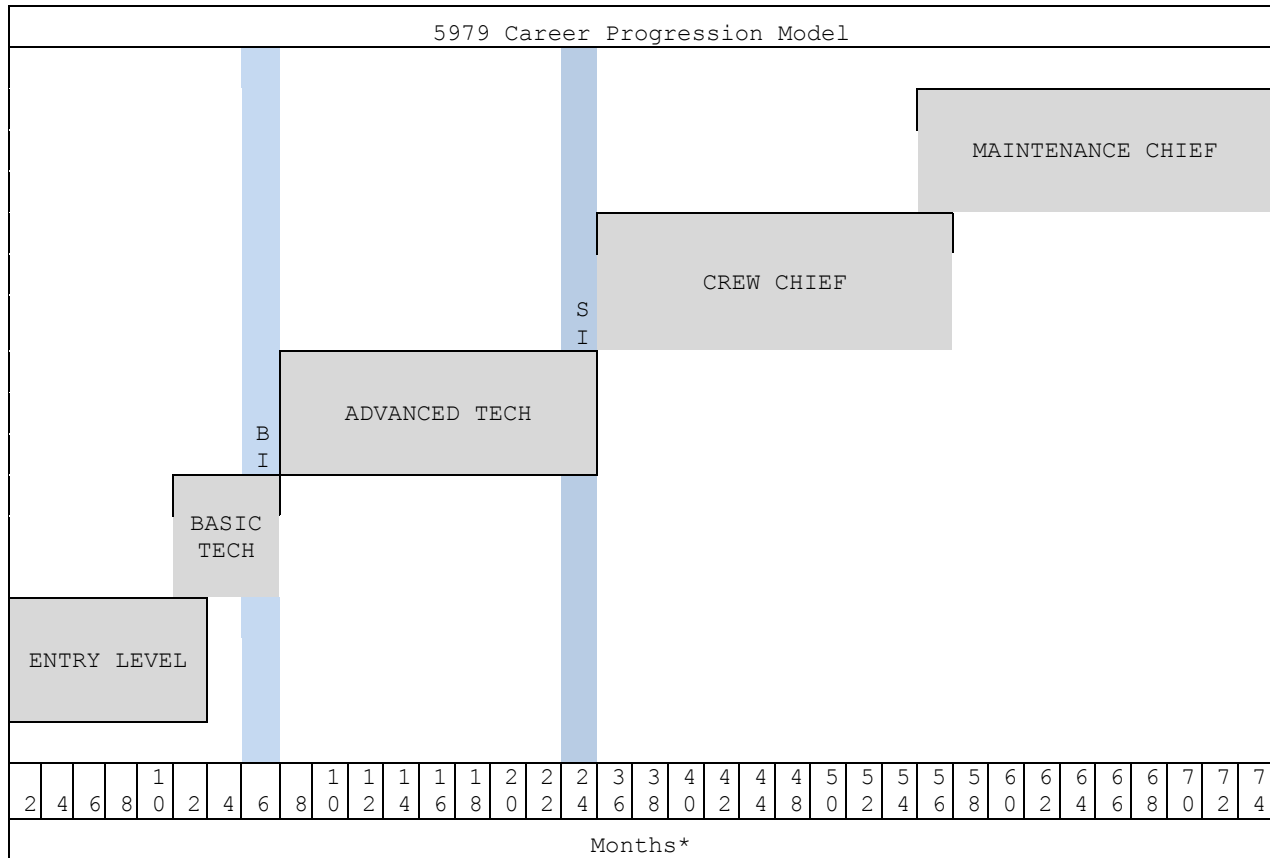
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CHAPTER 8

TACTICAL DATA SYSTEMS ADMINISTRATOR/5979
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

8.0 AIR DEFENSE SYSTEMS TECHNICIAN/5979 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

8.1 5979 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Aviation Communications Systems Technician crewmember. Units should use the model as a point of departure to generate individual training plans.



* Months indicated are training months, not calendar months.

8.2 ABBREVIATIONS

| TAOC MAINTENANCE MOS 5979 | |
|--|---|
| CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS | |
| CORE SKILL (2000 Phase) | |
| CD | COLLATERAL DUTY |
| CMN | MACCS MAINTENANCE COMMON |
| COMSEC | COMMUNICATION SECURITY |
| CONFIG | CONFIGURATION |
| DLC | DATA LINK COORDINATOR |
| EQUIP | EQUIPMENT |
| FAM | FAMILIARIZATION |
| IAWFAT | INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN |
| IWFNT | INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN |
| IWFST | INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN |
| MMGT | MAINTENANCE MANAGEMENT |
| OMGT | OPERATIONAL MANAGEMENT |
| TMDE | TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT |
| MISSION SKILL (3000 Phase) | |
| EQUIP | EQUIPMENT |
| EWC | EARLY WARNING AND CONTROL SITE |
| IAWFAT | INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN |
| IWFNT | INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN |
| IWFST | INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN |
| MACG | MARINE AIR CONTROL GROUP |
| MMGT | MAINTENANCE MANAGEMENT |
| OMGT | OPERATIONAL MANAGEMENT |
| TAOC | TACTICAL AIR OPERATIONS CENTER |
| INSTRUCTOR (5000 Phase) | |
| BI | BASIC INSTRUCTOR |
| SI | SENIOR INSTRUCTOR |
| CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase) | |
| TDSBT | TACTICAL DATA SYSTEM BASIC TECHNICIAN |
| TDSAT | TACTICAL DATA SYSTEM ADVANCED TECHNICIAN |
| TDSCC | TACTICAL DATA SYSTEM CREW CHIEF |
| TDSMC | TACTICAL DATA SYSTEM MAINTENANCE CHIEF |
| CAT | COMPTIA A+ TECHNICIAN |
| CNT | COMPTIA NETWORK+ TECHNICIAN |
| CST | COMPTIA SAFETY+ TECHNICIAN |
| SAF CD | SAFETY COLLATERAL DUTY |
| HAZMAT CD | HAZARDOUS MATERIAL COLLATERAL DUTY |
| PUB CD | PUBLICATIONS COLLATERAL DUTY |

| | |
|----------|---------------------------------|
| TRNG CD | TRAINING COLLATERAL DUTY |
| TOOLS CD | TOOLS COLLATERAL DUTY |
| CAL CD | CALIBRATIONS COLLATERAL DUTY |
| MOD CD | MODIFICATIONS COLLATERAL DUTY |
| EMB CD | EMBARK COLLATERAL DUTY |
| MIMMS CD | MIMMS COLLATERAL DUTY |
| QC CD | QUALITY CONTROL COLLATERAL DUTY |

8.3 DEFINITIONS

| TERM | DEFINITION |
|---|---|
| Core Model | The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices |
| Core Skill | Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase. |
| Mission Skill | Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event(s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events. |
| Core Plus Skill | Training events that can be theater specific or that have a low likelihood of occurrence. They may be Fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events. |
| Core Plus Mission | Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events. |
| Core Skill Proficiency (CSP) | CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP. |
| Mission Skill Proficiency (MSP) | MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness. |
| Core Plus Skill Proficiency (CPSP) | CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP |
| Core Plus Mission Proficiency (CPMP) | CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP |
| MET Phase | This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams. |

8.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

8.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

8.4.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts towards CMMR Unit CSP requirements for that Core Skill.

8.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.

8.4.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

Note

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills while maintaining proficiency in other Core/Mission/Core Plus Skills.

8.4.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that Skill.

Note

See Chapter 2 for amplifying information on POI updating.

| TAOC MAINTENANCE MOS 5979 | | | | | |
|--|-------|---------------|-------|-------------|-------|
| ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI | | | | | |
| ATTAIN PROFICIENCY | | | | MAINTAIN | |
| BASIC POI | | REFRESHER POI | | PROFICIENCY | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| CORE SKILL (2000 Phase) | | | | | |
| CMN | 2150 | | | | |
| CMN | 2151 | | | | |
| CMN | 2152 | | | | |
| CMN | 2153 | | | | |
| CMN | 2154R | CMN | 2154R | | |
| CMN | 2155 | | | | |
| CMN | 2156 | | | | |
| CMN | 2157 | | | | |
| CMN | 2158 | | | | |
| CMN | 2159R | CMN | 2159R | | |
| TMDE | 2171R | TMDE | 2171R | | |
| TMDE | 2172R | TMDE | 2172R | | |
| TMDE | 2173R | TMDE | 2173R | | |
| TMDE | 2175R | TMDE | 2175R | | |
| TMDE | 2177R | TMDE | 2177R | | |
| TMDE | 2178R | TMDE | 2178R | | |
| COMSEC | 2190R | COMSEC | 2190R | COMSEC | 2190R |

| TAOC MAINTENANCE MOS 5979 | | | | | |
|--|-------|---------------|-------|-------------|-------|
| ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI | | | | | |
| ATTAIN PROFICIENCY | | | | MAINTAIN | |
| BASIC POI | | REFRESHER POI | | PROFICIENCY | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| COMSEC | 2191R | COMSEC | 2191R | COMSEC | 2191R |
| COMSEC | 2192R | COMSEC | 2192R | COMSEC | 2192R |
| COMSEC | 2193R | COMSEC | 2193R | COMSEC | 2193R |
| COMSEC | 2194R | COMSEC | 2194R | | |
| COMSEC | 2195R | COMSEC | 2195R | COMSEC | 2195R |
| COMSEC | 2196 | | | | |
| COMSEC | 2197 | | | | |
| COMSEC | 2198 | | | | |
| COMSEC | 2199R | COMSEC | 2199R | COMSEC | 2199R |
| FAM | 2210 | | | | |
| FAM | 2211 | | | | |
| FAM | 2212 | | | | |
| FAM | 2216 | | | | |
| FAM | 2217 | | | | |
| FAM | 2218 | | | | |
| FAM | 2219 | | | | |
| FAM | 2220 | | | | |
| FAM | 2221 | | | | |
| FAM | 2222 | | | | |
| CD | 2230R | CD | 2230R | | |
| CD | 2231 | | | | |
| CD | 2232 | | | | |
| CD | 2233 | | | | |
| CD | 2234 | | | | |
| CD | 2235 | | | | |
| CD | 2236 | | | | |
| CD | 2237 | | | | |
| CD | 2238 | | | | |
| CD | 2242R | CD | 2242R | CD | 2242R |
| CD | 2243 | | | | |
| IAWFAT | 2250 | | | | |
| IAWFAT | 2251 | | | | |
| IAWFAT | 2252 | | | | |
| IAWFAT | 2253 | | | | |
| IAWFAT | 2254 | | | | |
| IAWFAT | 2255 | | | | |

| TAOC MAINTENANCE MOS 5979 | | | | | |
|--|-------|---------------|-------|-------------|-------|
| ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI | | | | | |
| ATTAIN PROFICIENCY | | | | MAINTAIN | |
| BASIC POI | | REFRESHER POI | | PROFICIENCY | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| IAWFAT | 2256 | | | | |
| IAWFAT | 2257 | | | | |
| IAWFAT | 2258 | | | | |
| IAWFNT | 2259 | | | | |
| IAWFNT | 2260 | | | | |
| IAWFNT | 2261 | | | | |
| IAWFNT | 2262 | | | | |
| IAWFNT | 2263 | | | | |
| IAWFST | 2264 | | | | |
| IAWFST | 2265 | | | | |
| IAWFST | 2266 | | | | |
| IAWFST | 2267 | | | | |
| IAWFST | 2268 | | | | |
| IAWFST | 2269 | | | | |
| CONFIG | 2300R | CONFIG | 2300R | | |
| CONFIG | 2301 | | | | |
| CONFIG | 2302R | CONFIG | 2302R | | |
| CONFIG | 2303R | CONFIG | 2303R | | |
| CONFIG | 2304R | CONFIG | 2304R | | |
| CONFIG | 2305R | CONFIG | 2305R | | |
| CONFIG | 2306R | CONFIG | 2306R | | |
| CONFIG | 2307R | CONFIG | 2307R | | |
| CONFIG | 2308R | CONFIG | 2308R | | |
| CONFIG | 2309R | CONFIG | 2309R | | |
| DLC | 2320 | | | | |
| DLC | 2321 | | | | |
| DLC | 2322 | | | | |
| DLC | 2323 | | | | |
| DLC | 2324 | | | | |
| DLC | 2325 | | | | |
| DLC | 2326R | DLC | 2326R | DLC | 2326R |
| DLC | 2327R | DLC | 2327R | DLC | 2327R |
| DLC | 2328R | DLC | 2328R | DLC | 2328R |
| DLC | 2329R | DLC | 2329R | DLC | 2329R |
| DLC | 2330R | DLC | 2330R | DLC | 2330R |
| DLC | 2331R | DLC | 2331R | DLC | 2331R |

| TAOC MAINTENANCE MOS 5979 | | | | | |
|--|-------|---------------|-------|-------------|-------|
| ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI | | | | | |
| ATTAIN PROFICIENCY | | | | MAINTAIN | |
| BASIC POI | | REFRESHER POI | | PROFICIENCY | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| DLC | 2332R | DLC | 2332R | DLC | 2332R |
| DLC | 2333 | | | | |
| DLC | 2334 | | | | |
| DLC | 2335 | | | | |
| DLC | 2336 | | | | |
| DLC | 2337 | | | | |
| DLC | 2338 | | | | |
| EQUIP | 2380 | | | | |
| EQUIP | 2381 | | | | |
| EQUIP | 2424 | | | | |
| EQUIP | 2425 | | | | |
| EQUIP | 2426R | EQUIP | 2426R | EQUIP | 2426R |
| EQUIP | 2427R | EQUIP | 2427R | EQUIP | 2427R |
| MMGT | 2600 | | | | |
| MMGT | 2601 | | | | |
| MMGT | 2602R | MMGT | 2602R | | |
| MMGT | 2603 | | | | |
| MMGT | 2604 | | | | |
| MMGT | 2605 | | | | |
| MMGT | 2606 | | | | |
| MMGT | 2607 | | | | |
| MMGT | 2608R | MMGT | 2608R | | |
| MMGT | 2609 | | | | |
| MMGT | 2610 | | | | |
| MMGT | 2611 | | | | |
| MMGT | 2612 | | | | |
| MMGT | 2613 | | | | |
| MMGT | 2614 | | | | |
| OMGT | 2680 | | | | |
| OMGT | 2681R | OMGT | 2681R | OMGT | 2681R |
| OMGT | 2682R | OMGT | 2682R | OMGT | 2682R |
| OMGT | 2683 | | | | |
| OMGT | 2684 | | | | |
| OMGT | 2685 | | | | |
| OMGT | 2686R | OMGT | 2686R | OMGT | 2686R |
| OMGT | 2687 | | | | |

| TAOC MAINTENANCE MOS 5979 | | | | | |
|--|--------------|---------------|--------------|-------------|--------------|
| ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI | | | | | |
| ATTAIN PROFICIENCY | | | | MAINTAIN | |
| BASIC POI | | REFRESHER POI | | PROFICIENCY | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| OMGT | 2688R | OMGT | 2688R | OMGT | 2688R |
| OMGT | 2689 | | | | |
| OMGT | 2690 | | | | |
| OMGT | 2691 | | | | |
| OMGT | 2692 | | | | |
| OMGT | 2693 | | | | |
| OMGT | 2694R | OMGT | 2694R | | |
| MISSION (3000 Phase) | | | | | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| IAWFAT | IAWFAT-3280R | IAWFAT | IAWFAT-3280R | IAWFAT | IAWFAT-3280R |
| | IAWFAT-3281R | | IAWFAT-3281R | | IAWFAT-3281R |
| IAWFNT | IAWFNT-3282R | IAWFNT | IAWFNT-3282R | IAWFNT | IAWFNT-3282R |
| IAWFST | IAWFST-3283R | IAWFST | IAWFST-3283R | IAWFST | IAWFST-3283R |
| EQUIP | EQUIP-3465 | EQUIP | | EQUIP | |
| | EQUIP-3466 | | | | |
| | EQUIP-3467R | | EQUIP-3467R | | EQUIP-3467R |
| | EQUIP-3468 | | | | |
| | EQUIP-3469 | | | | |
| MMGT | MMGT-3660 | MMGT | | MMGT | |
| | MMGT-3661R | | MMGT-3661R | | MMGT-3661R |
| | MMGT-3662 | | | | |
| OMGT | OMGT-3710R | OMGT | OMGT-3710R | OMGT | OMGT-3710R |
| | OMGT-3711 | | | | |
| | OMGT-3712 | | | | |
| | OMGT-3713R | | OMGT-3713R | | OMGT-3713R |
| | OMGT-3714 | | | | |
| | OMGT-3715 | | | | |
| MACG | MACG-3750R | MACG | MACG-3750R | MACG | MACG-3750R |
| | MACG0-3751R | | MACG0-3751R | | MACG0-3751R |
| | MACG-3752R | | MACG-3752R | | MACG-3752R |
| | MACG-3753R | | MACG-3753R | | MACG-3753R |
| | MACG-3754R | | MACG-3754R | | MACG-3754R |
| | MACG-3755R | | MACG-3755R | | MACG-3755R |
| | MACG-3756R | | MACG-3756R | | MACG-3756R |
| "S" PREFIX AND BLUE FONT = SIMULATOR EVENT | | | | | |

| TAOC MAINTENANCE MOS 5979 | | | | | |
|--|------|---------------|------|-------------|------|
| ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI | | | | | |
| ATTAIN PROFICIENCY | | | | MAINTAIN | |
| BASIC POI | | REFRESHER POI | | PROFICIENCY | |
| STAGE | CODE | STAGE | CODE | STAGE | CODE |
| "R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT | | | | | |

8.5 REQUIREMENT, CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency for select certifications, qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed in training Performance Records and NATOPS. See Chapter 6 of the Aviation T&R Program Manual on regaining lost qualifications.

8.5.1 INSTRUCTOR DESIGNATIONS

| TAOC MAINTENANCE MOS 5948 INSTRUCTOR DESIGNATIONS (5000 Phase) | |
|---|--|
| INSTRUCTOR DESIGNATION | EVENTS |
| BASIC INSTRUCTOR (BI) | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 5000, 5010, 5020, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 |
| SENIOR INSTRUCTOR (SI) | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 |

8.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

| TAOC MAINTENANCE MOS 5979 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase) | |
|---|--|
| RCQD | EVENTS |
| Qualification as an Tactical Data Systems Basic Technician (TDSBT). QUAL-6106 | 2150, 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008 |
| Qualification as an Tactical Data Systems Advanced Technician (TDSAT). QUAL-6107 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 |
| Certification as a COMPTIA A+ Technician. CERT-6200 | 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281 |

| | |
|---|--|
| Certification as a COMPTIA Network+ Technician. CERT-6201 | 2259, 2260, 2261, 2262, 2263, 3282 |
| Certification as a COMPTIA Security+ Technician. CERT-6202 | 2264, 2265, 2266, 2267, 2268, 2269, 3283 |
| Designation as a Tactical Data Systems Crew Chief (TDSCC). DESG-6308 | 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3710, 3711, 3712, 3713, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 |
| Designation as a Tactical Data Systems Maintenance Chief (TDSMC). DESG-6309 | 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3662, 3710, 3711, 3712, 3713, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044 |
| Designation as a Maintenance Safety NCO. DESG-6340 | 2230, 2235, 2236 |
| Designation as a Maintenance HAZMAT NCO. DESG-6341 | 2230, 2235, 2236 |
| Designation as a Maintenance Publications NCO. DESG-6342 | 2230, 2234 |
| Designation as a Maintenance Tools NCO. DESG-6343 | 2230, 2233 |
| Designation as a Maintenance Calibrations NCO. DESG-6344 | 2230, 2231 |
| Designation as a Maintenance Modifications NCO. DESG-6345 | 2230, 2232, 2234 |
| Designation as a Maintenance Embarkation NCO. DESG-6346 | 2230, 2237 |
| Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO. DESG-6347 | 2159, 2230, 2602 |
| Designation as a Maintenance Training NCO. DESG-6348 | 2230 |

| | |
|--|--|
| Designation as a Maintenance Quality Control (QC) NCO. DESG-6352 | 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028 |
|--|--|

8.6 5979 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

8.6.1 Basic POI

| TAOC MAINTENANCE 5979 | | |
|-----------------------|----------------------------------|-------------------|
| BASIC POI | | |
| WEEKS ¹ | PHASE OF INSTRUCTION | UNIT RESPONSIBLE |
| 0-40 | CORE SKILL INTRODUCTION TRAINING | MCCES |
| 30 | CORE SKILL TRAINING | TACTICAL SQUADRON |
| 48 | MISSION SKILL TRAINING | TACTICAL SQUADRON |
| 4 | CORE PLUS | TACTICAL SQUADRON |

8.6.2 Refresher POI

| TAOC MAINTENANCE MOS 5979 | | |
|---------------------------|------------------------|-------------------|
| REFRESHER POI | | |
| WEEKS ¹ | PHASE OF INSTRUCTION | UNIT RESPONSIBLE |
| VARIES | CORE SKILL TRAINING | TACTICAL SQUADRON |
| VARIES | MISSION SKILL TRAINING | TACTICAL SQUADRON |
| VARIES | CORE PLUS | TACTICAL SQUADRON |

NOTE 1: TRAINING DURATIONS VARIES BY POSITION BEING TRAINED. SEE PROGRESSION MODEL FOR NOTIONAL TRAINING TIMES.

8.7 SYLLABUS NOTES

8.7.1 Environmental Conditions Matrix

| Environmental Conditions | |
|--------------------------|---|
| Code | Meaning |
| D | Shall be conducted during hours of daylight: (by exception - there is no use of a symbol) |
| N | Shall be conducted during hours of darkness, may be aided or unaided |
| N* | Shall be conducted during hours of darkness must be unaided |
| (N*) | May be conducted during hours of darkness - If conducted during hours of darkness must be unaided |

| | |
|---|---|
| (N) | May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided |
| NS | Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices |
| (NS) | May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices |
| Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event. | |

8.7.2 Device Matrix

| DEVICE | |
|--|---|
| Symbol | Meaning |
| L | Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event. |
| L/S | Event performed live preferred/simulator optional. |
| S/L | Event performed in simulator preferred/live optional. |
| G | Ground/academic training. May include Distance Learning, CBT, lectures, self paced. |
| CBT | Computer Based Training |
| LAB | Laboratory |
| LEC | Lecture |
| CP | Command Post |
| TEN | Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station. |
| TEN+ | Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement. |
| Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event. | |

8.7.3 Program of Instruction Matrix

| PROGRAM OF INSTRUCTION MATRIX | | |
|-------------------------------|--------|---|
| Program of Instruction (POI) | Symbol | Aviation Ground |
| Basic | B | Initial MOS Training |
| Refresher | R | Return to community from non (MOS/Skill) associated tour |
| Maintain | M | All individuals who have attained CSP/MSP/CPF by initial POI assignment are re-assigned to the M POI to maintain proficiency. |

8.7.4 Event Terms

| EVENT TERMS | |
|-------------|---|
| TERM | DESCRIPTION |
| Discuss | An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures. |
| Demonstrate | The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event. |
| Introduce | The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for |

| EVENT TERMS | |
|-------------|--|
| TERM | DESCRIPTION |
| | knowledge of the procedures. |
| Practice | The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance. |
| Review | Demonstrated proficiency of an event by the student. |
| Evaluate | Any event designed to evaluate team/crew standardization that does not fit another category. |
| E-Coded | This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.) |

8.8 ACADEMIC PHASE (0000)

8.8.1 Purpose. **RESERVED FOR FUTURE USE**

8.8.2 General

8.8.2.1 Admin Notes.

8.8.2.2 Prerequisites.

8.8.2.3 Stages.

8.9 CORE SKILL INTRODUCTION PHASE (1000)

8.9.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5979 AIR DEFENSE SYSTEMS TECHNICIAN. This training is completed upon graduation from the AIR DEFENSE SYSTEMS TECHNICIAN Course.

8.9.2 General.

8.9.2.1 Prerequisite. Meet the requirement delineated in the MOS Manual (MCBul 1200).

8.9.2.2 Admin Notes. None

8.9.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

| PAR NO. | STAGE NAME |
|---------|--------------------|
| 8.9.3 | AIR SCHOOLS (AIRS) |

8.9.3 AIR SCHOOLS (AIRS) STAGE

8.9.3.1 Purpose. To provide entry-level instruction to develop the basic skills necessary to configure and setup communications equipment, conduct maintenance on assigned equipment. This training phase is complete upon graduation and assigned primary MOS.

8.9.3.2 General

3. Configure CTN software.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11406A-CD/2 Command System Tactical, AN/MSQ-143
2. TM 11406A-CD/3 CETPS AN/USG-4A, Operational and Maintenance Instructions, IETM
3. TM 11406A-OI AN/USG-4A IA SAM for USMC CTN Laptops
4. TM 11406A-OR/1 Operational and Organizational Maintenance Manual for the Command System Tactical 26 Meter Telescopic Mast
5. TM 11406A-OR/2 Operational and Organizational Maintenance Manual for the Command System Tactical, AN/MSQ-143
6. TM 11406A-QRG Quick Reference Guide, AN/MSQ-143

AIRS-1112 * B E G

Goal. Perform corrective maintenance on Tactical Cable Assemblies.

Requirement. Given the references:

1. Measure cable performance.
2. Isolate faulty connection.
3. Splice cables.
4. Replace connectors.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. ISBN 0-9754542-1-8 The Light Brigade OTDR Theory and Operations
2. ISBN 0-9754542-2-6 The Light Brigade Fiber Optic Test Equipment
3. ISBN 0-7668-1967-1 Technician's Guide to Fiber Optics 3rd Edition
4. ISBN 0-9754542-5-1 The Light Brigade Fiber Optic Splicing

AIRS-1113 * B E G

Goal. Perform Mobile Tactical Air Operations Module (MTAOM) operations.

Requirement. Given the references, perform the following:

1. Perform initialization procedures.
2. Perform fault check procedures.
3. Configure equipment for covered and uncovered voice communications.
4. Perform voice communication operational checks.
5. Configure equipment for digital communications.
6. Perform digital communications operational checks.
7. Make an operational database.
8. Perform system shutdown procedures.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08611B-OI, Vol 1 MTAOM Operations and Organizational Maintenance Manual, Volume 1
2. TM 08611B-OI, Vol 2 MTAOM Operations and Organizational Maintenance Manual, Volume 2
3. TM 08611B-OI, Vol 3 MTAOM Operations and Organizational Maintenance Manual, Volume 3

AIRS-1114 * B E G

Goal. Configure the AN/MSQ-143 Composite Tracking Network (CTN) for Operation.

Requirement. Given the references:

1. Power on the CTN equipment.
2. Perform CTN net entry procedures.
3. Perform equipment fault checks.
4. Shutdown the CTN equipment.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

3. Describe the Air Traffic Control Detachment.
4. Describe the Tactical Air Operations Center Detachment.
5. Describe the Early Warning and Control Detachment.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.3 Marine Air Command and Control System Handbook
2. MCWP 3-25.6 Sector Anti-Air Warfare Coordinator Handbook
3. MCWP 3-25.7 Tactical Air Operations Center Handbook

8.10 CORE SKILL TRAINING (2000)

8.10.1 Purpose. To develop core skill proficiency for 5979 personnel to be able to perform duties while assigned to the TAOC RADAR section.

(1) Basic Technicians will gain core skill proficiency in basic tactical data system administration, operations, and maintenance.

(2) Advanced Technicians will gain core skill proficiency in advanced system administration, maintenance, and maintenance management concepts.

(3) Crew Chiefs will gain core skill proficiency in managing tactical data systems crew level maintenance, and maintenance management. This training will provide the crew chief the skills necessary to run a tactical data system crew.

8.10.2 General.

8.10.2.1 Prerequisite.

(1) Tactical Data Systems Basic Technician (TDSBT). Core Skill Introduction training must be completed prior to beginning TDSBT training.

(2) Tactical Data System Advance Technician (TDSAT). Must be qualified as an TDSBT prior to beginning TDSAT training.

(3) Tactical Data Systems (TDSCC). Must be qualified as an TDSAT prior to beginning TDSCC training.

(4) Tactical Data Systems Maintenance Chief (TDSMC). Must be qualified as an TDSAT prior to beginning TDSMC training.

8.10.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in the mission skill and core plus phases provided applicable prerequisites have been met.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

8.10.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

| PAR NO. | STAGE NAME |
|---------|--|
| 8.10.3 | MACCS MAINTENANCE COMMON (CMN) |
| 8.10.4 | TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) |
| 8.10.5 | COMMUNICATION SECURITY (COMSEC) |
| 8.10.6 | FAMILIARIZATION (FAM) |
| 8.10.7 | COLLATERAL DUTY (CD) |
| 8.10.8 | INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) |
| 8.10.9 | INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) |
| 8.10.10 | INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) |
| 8.10.11 | CONFIGURATION (CONFIG) |
| 8.10.12 | DATA LINK COORDINATOR (DLC) |
| 8.10.13 | EQUIPMENT (EQUIP) |
| 8.10.14 | MAINTENANCE MANAGEMENT (MMGT) |
| 8.10.15 | OPERATIONAL MANAGEMENT (OMGT) |

8.10.3 MACCS MAINTENANCE COMMON (CMN) STAGE

8.10.3.1 Purpose. To teach the trainee common skills to all 5900 MOSS within the MACCS.

8.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

CMN-2150 2.0 * B L

Goal. Conduct an SL-3 inventory.

Requirement. Given the references and a piece of equipment with its record jacket containing an SL-3 extract, perform the following:

1. Validate inventory reference in SL 1-2.
2. Verify UURI authorization.
3. Identify and document on-hand, missing, or unserviceable

components.

4. Document completed inventory findings in the record jacket.
5. Initiate supply action to replace missing and/or unserviceable components.
6. Obtain a "supervised by" signature.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO p4400.150_
2. MCO P4790.2_
3. Applicable equipment SL-3 or TM

CMN-2151 1.5 * B L

Goal. Identify the purpose of Preventive Maintenance Checks and Services (PMCS).

Requirement. Given an end item, completed NAVMC 10561, and applicable references, perform the following:

1. State the purpose of PMCS.
2. Identify the PM frequency.
3. Identify PM procedures.
4. Interpret the entries listed on the provided PMCS roster.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/_
2. NAVMC 10561

equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2173

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Ground Procedures Manual
2. TC 11-6 Grounding Techniques

CMN-2154 2.0 * B, R L

Goal. Describe the characteristics of unit T/E generators.

Requirement. Identify the following:

1. Frequency.
2. Voltage(s).
3. Load capacity.
4. Fuel consumption.

Performance Standard. With the aid of reference, pass an exam on the above list without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12359A-OD/B Technical Characteristics Expeditionary Power Systems, Equipment

CMN-2155 1.0 * B L

Goal. Describe T/E shelters.

Requirement. Given references and T/E shelters:

1. Identify the function of each.
2. Identify SL-3 components for each.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Shelter Technical Manuals

| | | | | | |
|----------|-----|---|---|---------|---|
| CMN-2156 | 2.0 | * | B | Shelter | L |
|----------|-----|---|---|---------|---|

Goal. Emplace shelter.

Requirement. As a part of a crew, given a site diagram, Heavy Equipment, and a shelter, complete the following:

1. Place shelter according to site diagram.
2. Level shelter as required.

Performance Standard. Shelter is emplaced and leveled per the site diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2155

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

| | | | | | |
|----------|-----|---|---|---------|---|
| CMN-2157 | 2.0 | * | B | Shelter | L |
|----------|-----|---|---|---------|---|

Goal. Cable shelter for power.

Requirement. As a part of a crew, given references, cables, shelter, and grounding kit, complete the following steps:

1. Ground Shelter.
2. Connect Power Cable.
3. Energize specified section.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2156

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

CMN-2158 1.0 * B Tool box L

Goal. Demonstrate how to maintain a tool box.

Requirement. Given the references and a tool box, complete the following steps to sustain tool accountability and serviceability:

1. State the purpose of a tool box and assigned responsibilities.
2. Ensure tool box record jacket is current.
3. Conduct an SL-3 inventory of all tools in the tool box.
4. PM each tool and ensure it is serviceable.
5. State the process for replacement of the unserviceable tools.
6. State the process for replacement of missing tools.
7. Ensure proper documentation.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MMO SOP
2. MCO P4790.2_
3. MCO p4400.150_

4. Supply instruction
5. Applicable SL-3 for tool box

CMN-2159 1.0 * B, R GCSS L

Goal. Initiate a service request.

Requirement. Given a piece of equipment requiring a service request, NAVMC 1018, and a computer with GCSS access, perform the following:

1. Login to GCSS.
2. Open a new service request.
3. Fill out a NAVMC 1018 Inspection/Repair Tag (IRT).
4. Forward service request to the next level IAW SOP.

Performance Standard. With the aid of reference, complete the requirements IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. Appropriate GCSS access

Reference.

1. UM 4790.5
2. TM 4700-15/1_
3. MCO P4790.2_
4. MCBUL 3000
5. MCO P4400.16_
6. Unit Maintenance Administration SOP

8.10.4 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

8.10.4.1 Purpose. To teach the trainee how to use various test equipment that will be used in the performance of their assigned duties.

8.10.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

TMDE-2171 2.0 * B, R Oscilloscope L

Goal. Utilize an oscilloscope.

Requirement. Given the references, an oscilloscope and a signal generator:

1. State the purpose of an oscilloscope.
2. Verify calibration is current.
3. Measure a signal.
4. Report the results.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2172

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11277A-OI/1 OSCILLOSCOPE TDS 5054B-NV-AV TM 11277A-ID/2 OSCILLOSCOPE TDS 5054B-NV-AV

TMDE-2172 2.0 * B, R Signal generator L

Goal. Demonstrate the use of a signal generator.

Requirement. Given a signal generator demonstrate the following:

1. Verify current calibration.
2. Configure signal generator for output.
3. Verify output.

Performance Standard. Report the results without error.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable signal generator manual and equipment TM

TMDE-2173 2.0 * B, R R1L-C L

Goal. Utilize a Ground Tester.

Requirement. Given a ground tester, grounded equipment, and references:

1. State the purpose of a ground tester.
2. Verify calibration is current.
3. Measure resistance to ground in ohms.
4. State whether the ohm level is within tolerance.
5. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate proper use of the ground tester and measure ground resistance in ohms, report results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15
2. TM 10069A-14 O&M w/IPB R1L-C

TMDE-2175 1.0 * B, R Multimeter L

Goal. Utilize a multimeter.

Requirement. Given a multimeter, cable, and references:

1. State the purpose of the multimeter.
2. Verify calibration is current.
3. Perform continuity check on a cable or wire.
4. Measure resistance.
5. Measure voltage (AC and DC).
6. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate the proper use of a multimeter by completing the requirements without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manual

TMDE-2177 1.0 * B, R Wattmeter L

Goal. Utilize a wattmeter.

Requirement. Given the reference, a watt meter, VSWR chart, a radio and required antenna or dummy load:

1. State the purpose of the watt meter.
2. Verify calibration is current.
3. Select appropriate configuration.
4. Measure forward power.
5. Measure reflected power.
6. Calculate voltage standing wave ratio (VSWR).

Performance Standard. With the aid of reference, utilize a watt meter by demonstrating the requirement without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 09916A-14&P/1 - Test Set, Radio Frequency Model 4410-030

TMDE-2178 1.0 * B, R OTDR L

Goal. Utilize an Optical Time Domain Reflectometer (OTDR).

Requirement. Given the reference, an OTDR and a fiber optical cable:

1. State the purpose of an OTDR.
2. Verify calibration is current.
3. Determine the length of the fiber cable using the OTDR.
4. Determine the amount of signal loss (dB) using the OTDR.

Performance Standard. With the aid of reference, utilize an Optical Time Domain Reflectometer by completing the requirements without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable OTDR Manual

8.10.5 COMMUNICATION SECURITY (COMSEC) STAGE

8.10.5.1 Purpose. To teach the trainee safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout. Additionally, trainee learns to identify and load CCI devices.

8.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2190 2.0 365 B, R, M L

Goal. Describe proper handling and storage of classified materials.

Requirement. Perform the following:

1. State the different levels of classification.
2. State the marking requirements for each level of classification.
3. State the Two-Person Integrity (TPI) rule.
4. State storage procedures for each level of classification.
5. Identify transportation requirements for classified material.
6. State the sections of the SF-702.
7. Identify the approved security containers utilized for storage.
8. Identify the procedures for handling Controlled Cryptographic Items (CCIs).

Performance Standard. With the aid of reference, state the above requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5510.18_
2. EKMS-1_

3. SECNAVINST 5510.36
4. UNIT SOP

COMSEC-2191 2.0 365 B, R, M _____ L

Goal. State the physical security requirements for classified areas.

Requirement. Given a tactical scenario and references, identify the following:

1. Purpose of a guard schedule.
2. Purpose of access control.
3. Purpose of the entry control point.
4. Perimeter barrier requirements.

Performance Standard. With the aid of reference, pass an exam without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34_

COMSEC-2192 2.0 365 B, R, M _____ L

Goal. Create a classified area physical security diagram.

Requirement. Given a tactical scenario and references, create a diagram that includes the following:

1. Entry control point(s).
2. Perimeter barrier.
3. Communication lines.

Performance Standard. With the aid of reference, draw a diagram depicting the information listed in the requirement without error; instructor will validate that the diagram supports the scenario. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2191

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34_

COMSEC-2193 2.0 365 B, R, M L

Goal. Conduct classified material inventory.

Requirement. During a crew change over, perform the following:

1. Conduct classified material inventory.
2. Conduct EKMS inventory.
3. Destroy superseded key materials.

Performance Standard. With the aid of reference, conduct the requirements without discrepancy.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. 5530

COMSEC-2194 2.0 * B, R L

Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references, perform the following:

1. State the purpose of the EKMS COMSEC callout.
2. Identify the five main pieces of key information:
 - a. Short Title.
 - b. Edition.
 - c. Segment.
 - d. Classification.
 - e. Supersession date.
3. Identify segment roll over dates and time.

Performance Standard. With the aid of reference, state the purpose and identify the key information on the callout without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_
2. MCWP 3-40.3

COMSEC-2195 2.0 365 B, R, M L

Goal. Utilize a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device, perform the following:

1. Describe the purpose of common fill device.
2. Define the common fill device loading procedure.
3. Configure the common fill device.
4. Identify common fill device indicators and messages.
5. Transfer key material to Controlled Cryptographic Item (CCI) equipment.
6. Transfer cryptographic information from common fill device to common fill device.
7. Destroy superseded keying material within the cryptographic fill device.

Performance Standard. With the aid of reference, load keying material into appropriate COMSEC equipment using a fill device and destroy superseded keying material without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_

COMSEC-2196 2.0 * B L

Goal. Ensure CMCC handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify classified material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify classified material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SECNAV 5510.36_
2. MCO 5510.18_
3. UNIT SOP
4. EKMS-1_

COMSEC-2197 2.0 * B L

Goal. Ensure EKMS material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify EKMS material is stored IAW the reference.
2. Verify proper destruction of material IAW the reference.
3. Verify EKMS material is transported IAW the reference.

Performance Standard. With the aid of reference, validate EKMS material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_
2. UNIT SOP

COMSEC-2198 1.0 * B L

Goal. Ensure CCI material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify CCI material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify CCI material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1
2. UNIT SOP

COMSEC-2199 2.0 365 B, R, M L

Goal. Ensure physical security of classified areas.

Requirement. Given references and a classified area, verify the following:

1. Guard schedule.
2. Access Control.
3. Perimeter barrier.

Performance Standard. Verify the physical security of the classified area IAW the references. Complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2191, 2192

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34

8.10.6 FAMILIARIZATION (FAM) STAGE

8.10.6.1 Purpose. To familiarize the trainee on non-MOS equipment.

8.10.6.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100

Admin Notes. None

Crew Requirements. None

FAM-2210 2.0 * B L

Goal. Describe HF, VHF, UHF, SATCOM radio characteristics.

Requirement. Given a list of radio equipment, describe the following characteristics for each:

1. AN/VRC 103.
 - a. Frequency range.
 - b. Power output.
 - c. Types of antennas.
2. AN/VRC 104.
 - a. Frequency range.
 - b. Power output.
 - c. Types of antennas.
4. AN/GRC 171B(V)4.
 - a. Frequency range.
 - b. Power output.
 - c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B(V)4
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103(V)2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

FAM-2211 3.0 * B L

Goal. State the purpose of Automated Data Processing Equipment (ADPE).

Requirement. Given references, Network Switch, Router, Server, and Workstation and complete the following:

1. State the purpose for each.
2. Identify software components for each.
3. Identify hardware components for each.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

FAM-2212 2.0 * B L

Goal. Describe the CAC2S.

Requirement. Given a CAC2S and IETM, complete the following:

1. Identify the purpose of the CAC2S.
2. Identify its functions.
3. Identify software.
4. Identify hardware components.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

- a. Frequency range.
 - b. Power output.
 - c. Types of antennas.
5. AN/GRC-256
- a. Frequency range
 - b. Power output
 - c. Types of antennas.
6. AN/USQ-140 (V) 2
- a. Frequency range
 - b. Power output
 - c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B (V) 4
2. TM 10822A-OR AN/PRC-150 (C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103 (V) 2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

FAM-2218 1.0 * B _____ L

Goal. Describe C2 Applications.

Requirement. Given the references describe purpose of the following:

1. TBMCS.
2. AFATDS.
3. C2PC.
4. JADOCs.
5. Transverse (chat program).

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TBMCS SUMs

FAM-2219 1.0 * B L

Goal. Familiarization with LRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the LRR.
2. Describe the major components of the LRR.
3. Describe the characteristics of the LRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

FAM-2220 1.0 * B L

Goal. Familiarization with MRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the MRR.
2. Describe the major components of the MRR.
3. Describe the characteristics of the MRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description

FAM-2221 1.0 * B L

Goal. Describe the Identification Friend or Foe (IFF) MK XII interrogator system.

Requirement. Given the reference:

1. Describe the purpose of the MK VII IFF system.
2. Describe the major components of the AN/UPX-37 Interrogator system.
3. Describe the characteristics of the AN/UPX-37 Interrogator System.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. UM 2005

FAM-2222 1.0 * B L

Goal. Describe TACLAN.

Requirement. Given the references, perform the following:

1. Describe the purpose of the KG-175 TACLAN.
2. State the purpose of the KG-175 TACLAN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

8.10.7 COLLATERAL DUTY (CD) STAGE

8.10.8.1 Purpose. To familiarize the trainee on the duties and responsibilities of each collateral duty in a maintenance shop.

8.10.8.2 General

Prerequisite. None

Admin Notes. Familiarization of all maintenance collateral duties gives the technician an awareness of the different essential functions required within the maintenance section.

Crew Requirements. None

CD-2230 8.0 * B, R L

Goal. State the maintenance Collateral Duties (CD).

Requirement. Receive an overview from each collateral duty holder, and at a minimum must be able to state the following:

1. Calibration CD.
 - a. State the purpose of the TMDE program.
 - b. State the duty responsibilities.
2. Modification CD.
 - a. State the purpose of the modification program.
 - b. State the duty responsibilities.
3. Tool Control CD.
 - a. State the purpose of the tool control program.
 - b. State the duty responsibilities.
4. Publications CD.
 - a. State the purpose of the publications program.
 - b. State the duty responsibilities.
5. Safety CD.
 - a. State the purpose of the safety program.
 - b. State the duty responsibilities.
6. Hazmat CD.
 - a. State the purpose of the HAZMAT program.
 - b. State the duty responsibilities.
7. Embarkation.
 - a. State the purpose of the embarkation program.
 - b. State the duty responsibilities.
8. MIMMS.
 - a. State the purpose of the MIMMS program.
 - b. State the duty responsibilities.

9. Records.
 - a. State the purpose of the records program.
 - b. State the duty responsibilities.
10. Quality Control.
 - a. State the purpose of the quality control program.
 - b. State the duty responsibilities.
11. Training Program
 - a. State the purpose of the Training program.
 - b. State the duty responsibilities.

Performance Standard. verbally state the purpose and responsibilities of each CD without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. MCO 4790.2
4. TM 4700-15/1
5. Applicable CD Desktops
6. MCO 5100.29
7. MMO SOP
8. MCO 4790.1
9. MCO 5600.1

CD-2231 1.0 * B L

Goal. Identify the Maintenance Calibrations Program.

Requirement. Given three pieces of Test Measurement and Diagnostic Equipment (TMDE), verify the following:

1. TMDE is correctly marked with calibrations information.
2. Calibration date is current.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MMO SOP

CD-2232 2.0 * B L

Goal. Identify the Maintenance Modifications Program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance modification program.
2. Demonstrate how modifications are:
 - a. Identified.
 - b. Verified.
 - c. Recorded.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. PLMS
2. MCO P4790.2C
3. TM-4700-15/1H
4. Maintenance Modifications Program CD Desktop

CD-2233 2.0 * B L

Goal. Manage the Tool Control Program.

Requirement. Given the references, perform the following:

1. Identify elements in the Tool Control Desktop Procedures binder.
2. Describe tool control procedures:
 - a. Inventory schedule.
 - b. Check-in/Check-out.
 - c. Tool replacement.
2. Conduct serviceability inspection of tools and tool boxes.
3. Submit special tool allowance authorization request.
4. Identify tools with special calibration requirements and submit for inclusion in Calibrations Program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. TM 4795-OR/1A
3. MMSOP

CD-2234 2.0 * B L

Goal. Identify the Maintenance Publications Library.

Requirement. Given the references, perform the following:

1. Demonstrate how to locate required publications for specific equipment.
2. Demonstrate how to verify publications are up-to-date.
3. Describe the purpose of Publications Library Management System (PLMS).
4. Fill out a NAVMC 10772.

Performance Standard. With the aid of reference, demonstrate the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. PLMS
4. MCO P4790.2
5. MMO SOP
6. Maintenance Publications Library Desktop

CD-2235 2.0 * B L

Goal. Identify major Maintenance Safety Program elements.

Requirement. Given the references, perform the following:

1. Define and identify the purpose of Lock-out/Tag-out.
2. Demonstrate lock-out/tag-out procedures.
3. Eliminate the effects of ESD on electronic components.
 - a. Define ESD.
 - b. Setup ESD workstation.
 - c. Demonstrate proper use of ESD workstation during repair of ESD sensitive circuit.
 - d. Demonstrate proper packaging and handling of ESD sensitive material.
4. Describe hazard prevention as it applies to:
 - a. Electrical hazards.
 - b. Eye hazards.
 - c. Hearing hazards.
 - d. RF hazards.
 - e. Fire hazards.
5. Identify HAZMAT procedures.
 - a. State purpose of a Material Safety Data Sheets (MSDS).
 - b. Properly store and label HAZMAT materials.
 - c. Demonstrate proper usage of Personal Protective Equipment (PPE).
 - d. State the purpose of and locate and read safety board.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5100.29_
2. MCO 4450.12_
3. MCO 5100.8_
4. TM 07751B Series
5. TM 07736C Series
6. OSHA standard 29 CFR 1910.147
7. Electro Discharge Mgmt (ESD) TM-9999-15/2
8. Maintenance Safety Program Desktop

CD-2236 2.0 * B L

Goal. State the purpose of the Material Safety Data Sheet (MSDS) and

Performance Standard. With the aid of reference, identify the five key elements listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3_ Unit Embarkation Handbook
2. MCO P4790.2_
3. Technical Manuals
4. Maintenance Embarkation Program Desktop

CD-2238 1.0 * B _____ L

Goal. Identify the equipment record jacket.

Requirement. Given the references and a record jacket, perform the following:

1. State the purpose of a record jacket.
2. State the minimum content requirements for an equipment record jacket.
3. State the destruction instructions for each document within the record jacket.
4. State the local policy for disposition of inactive record jackets.
5. Inspect the record jacket content for completeness.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. TM-4700-15/1_
3. MCO 5210.11E

CD-2242 2.0 1460 B, R, M L

Goal. Perform Quality Control Procedures.

Requirement. Given the references and equipment records, perform the following:

1. Identify maintenance QC procedures.
2. List all the QC areas within your section.
3. State the frequency of the QC checks for each area.
4. Conduct a QC inspection on a selected piece of equipment:
 - a. Ensure equipment is being maintained to equipment standards.
 - b. Ensure quality controls are being adhered to.
 - c. Ensure inspection standards, checklists or templates being used to inspect completed maintenance actions.
 - d. Ensure equipment specifications are being recorded within tolerance levels IAW TM.
 - e. Verify the repair process is properly implemented by ensuring that:
 - (1) Proper tools were used.
 - (2) ESD procedures were used.
 - (3) Safety warnings were adhered to.
 - (4) Necessary defective parts were replaced.
 - (5) Correct software was used, as applicable.
 - (6) Proper GCSS entries are annotated on the Service Request throughout the Maintenance Cycle.
5. Write a report identifying discrepancies.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MMO SOP
3. Applicable TMs
4. UM 4400-125 (Draft)

CD-2243 2.0 * B L

Goal. Identify the Maintenance Training program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance training program.
2. List annual training requirements.
3. List requirements for maintenance management training.
4. Explain the purpose of the Aviation T&R program.
5. Explain how training is tracked within the Aviation T&R program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. MCO p4790.2_
3. NAVMC 3500.14_
4. MCRP 3-01_

8.10.8 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

8.10.8.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

8.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-2250 4.0 * B E L

Goal. Explain PC hardware.

Requirement. Without the aid of references, perform the following:

1. Explain and apply BIOS settings.

2. Differentiate between motherboard components, their purposes, and properties.
3. Compare RAM types and features.
4. Explain the installation and configuration of expansion cards.
5. Explain installation and configuration of storage devices and appropriate media.
6. Differentiate among various CPU types and features and select the appropriate cooling method.
7. Compare various connection interfaces and explain their purpose.
8. Identify the appropriate power supply based on a given scenario.
9. Evaluate and select appropriate components for a custom configuration, to meet customer specifications or needs.
10. Given a scenario, evaluate types and features of display devices.
11. Identify connector types and associated cables.
12. Explain the installation and configuration of various peripheral devices.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2251 4.0 * B E L

Goal. Explain networking concepts.

Requirement. Without the aid of references, perform the following:

1. Identify types of network cables and connectors.
2. Categorize characteristics of connectors and cabling.
3. Explain properties and characteristics of TCP/IP.
4. Explain common TCP and UDP ports, protocols, and their purpose.
5. Compare wireless networking standards and encryption types.
6. Install, configure, and deploy a SOHO wireless/wired router using appropriate settings.
7. Compare Internet connection types and features.
8. Identify various types of networks.
9. Compare network devices their functions and features.
10. Given a scenario, use appropriate networking tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2252 4.0 * B E L

Goal. Explain laptop features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Install and configure laptop hardware and components.
2. Compare the components within the display of a laptop.
3. Explain the differences between the various printer types and summarize the associated imaging process.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2253 4.0 * B E L

Goal. Explain printer features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Explain the differences between the various printer types and summarize the associated imaging process.
2. Given a scenario, install, and configure printers.
3. Given a scenario, perform printer maintenance.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2254 4.0 * B E L

Goal. Explain operational procedures.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, use appropriate safety procedures.
2. Explain environmental impacts and the purpose of environmental controls.
3. Given a scenario, demonstrate proper communication and professionalism.
4. Explain the fundamentals of dealing with prohibited content/activity.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2255 4.0 * B E L

Goal. Explain operating systems.

Requirement. Without the aid of references, perform the following:

1. Compare the features and requirements of various Microsoft Operating Systems.
2. Given a scenario, install, and configure the operating system using the most appropriate method.
3. Given a scenario, use appropriate command line tools.
4. Given a scenario, use appropriate operating system features and tools.
5. Given a scenario, use Control Panel utilities (the items are

- organized by "classic view/large icons" in Windows).
6. Setup and configure Windows networking on a client/desktop.
 7. Perform preventive maintenance procedures using appropriate tools.
 8. Explain the differences among basic OS security settings.
 9. Explain the basics of client-side virtualization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2256 4.0 * B E L

Goal. Explain security.

Requirement. Without the aid of references, perform the following:

1. Apply and use common prevention methods.
2. Explain the implementation of security best practices to secure a workstation.
3. Given a scenario, use the appropriate data destruction/disposal method.
4. Given a scenario, secure a SOHO wireless network.
5. Given a scenario, secure a SOHO wired network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2257 4.0 * B E L

Goal. Explain Mobile Devices.

Requirement. Without the aid of references, perform the following:

1. Explain the basic features of mobile operating systems.
2. Establish basic network connectivity and configure email.
3. Compare methods for securing mobile devices.
4. Compare hardware differences in regards to tablets and laptops.
5. Execute and configure mobile device synchronization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2258 4.0 * B E L

Goal. Explain Troubleshooting.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, explain the troubleshooting theory.
2. Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.
3. Given a scenario, troubleshoot hard drives and RAID arrays with appropriate tools.
4. Given a scenario, troubleshoot common video and display issues.
5. Given a scenario, troubleshoot wired and wireless networks with appropriate tools.
6. Given a scenario, troubleshoot operating system problems with appropriate tools.
7. Given a scenario, troubleshoot common security issues with appropriate tools and best practices.
8. Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.
9. Given a scenario, troubleshoot printers with appropriate tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

8.10.9 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

8.10.9.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

8.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-2259 4.0 * B E L

Goal. Explain Networking Concepts.

Requirement. Without the aid of references, perform the following:

1. Compare the layers of the OSI and TCP/IP models.
2. Classify how applications, devices, and protocols relate to the OSI model layers.
3. Explain the purpose and properties of IP addressing.
4. Explain the purpose and properties of routing and switching.
5. Identify common TCP and UDP default ports.
6. Explain the function of common networking protocols.
7. Summarize DNS concepts and its components.
8. Given a scenario, implement the following network troubleshooting methodology.
9. Identify virtual network components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2260 4.0 * B E L

Goal. Explain Network Installation and Configuration.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, install and configure routers and switches.
2. Given a scenario, install and configure a wireless network.
3. Explain the purpose and properties of DHCP.
4. Given a scenario, troubleshoot common wireless problems.
5. Given a scenario, troubleshoot common router and switch problems.
6. Given a set of requirements, plan and implement a basic SOHO network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2261 4.0 * B E L

Goal. Explain Network Media and Topologies.

Requirement. Without the aid of references, perform the following:

1. Categorize standard media types and associated properties.
2. Categorize standard connector types based on network media.
3. Compare different wireless standards.
4. Categorize WAN technology types and properties.
5. Describe different network topologies.
6. Given a scenario, troubleshoot common physical connectivity problems.
7. Compare different LAN technologies.
8. Identify components of wiring distribution.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2262 4.0 * B E L

Goal. Explain Network Management.

Requirement. Without the aid of references, perform the following:

1. Explain the purpose and features of various network appliances.
2. Given a scenario, use appropriate hardware tools to troubleshoot connectivity issues.
3. Given a scenario, use appropriate software tools to troubleshoot connectivity issues.
4. Given a scenario, use the appropriate network monitoring resource to analyze traffic.
5. Explain the purpose of configuration management documentation.
6. Explain different methods and rationales for network performance optimization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2263 4.0 * B E L

Goal. Explain Network Security.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, implement appropriate wireless security measures.
2. Explain the methods of network access security.
3. Explain methods of user authentication.
4. Explain common threats, vulnerabilities, and mitigation techniques.
5. Given a scenario, install and configure a basic firewall.
6. Categorize different types of network security appliances and methods.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

8.10.10 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

8.10.10.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

8.10.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-2264 4.0 * B E L

Goal. Explain Network Security.

Requirement. Without the aid of reference, perform the following:

1. Explain the security function and purpose of network devices and technologies.
2. Describe the implementation of secure network administration principles.
3. Describe between network design elements and components.
4. Describe the use common protocols.
5. Identify commonly used default network ports.
6. Describe the implementation of a wireless network in a secure manner.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2265 4.0 * B E L

Goal. Explain Operational Security.

Requirement. Without the aid of reference, perform the following:

1. Explain risk related concepts.
2. Explain appropriate risk mitigation strategies.
3. Explain appropriate incident response procedures.
4. Explain the importance of security related awareness and training.
5. Compare aspects of business continuity.
6. Explain the impact and proper use of environmental controls.
7. Execute disaster recovery plans and procedures.
8. Explain the concepts of confidentiality, integrity and availability (CIA).

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2266 4.0 * B E L

Goal. Explain threats and vulnerabilities.

Requirement. Without the aid of reference, perform the following:

1. Explain the types of malware.
2. Explain types of attacks.
3. Explain types of social engineering attacks.
4. Explain types of wireless attacks.
5. Explain types of application attacks.
6. Explain types of mitigation and deterrent techniques.
7. Explain assessment tools and techniques to discover security threats and vulnerabilities.
8. Within the realm of vulnerability assessments, explain the proper

use of penetration testing versus vulnerability scanning.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2267 4.0 * B E L

Goal. Explain cryptography.

Requirement. Without the aid of reference, perform the following:

1. Summarize general cryptography concepts.
2. Explain the appropriate cryptographic tools and products.
3. Explain the core concepts of public key infrastructure.
4. Explain the Implementation of PKI, certificate management and associated components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2268 4.0 * B E L

Goal. Explain access control and identity management.

Requirement. Without the aid of reference, perform the following:

1. Explain the function and purpose of authentication services.
2. Explain the fundamental concepts and best practices related to authentication, authorization and access control.

3. Explain the Implementation of appropriate security controls when performing account management.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2269 4.0 * B E L

Goal. Explain application, data and host security.

Requirement. Without the aid of reference, perform the following:

1. Explain the importance of application security.
2. Explain the appropriate procedures to establish host security.
3. Explain the importance of data security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

8.10.11 CONFIGURATION (CONFIG) STAGE

8.10.11.1 Purpose. To instruct the trainee on configuration of the TAOC, TDS equipment.

8.10.11.2 General

Prerequisites. None

Admin Notes. None

Crew Requirements. None

CONFIG-2300 1.0 * B, R L

Goal. Build a data base for the TAOM or MTAOM.

Requirement. Given the references and a scenario, build a database for the TAOM or MTAOM:

1. Load and initialize a data base.
2. Enter a required minimum of 5 data base entries.
 - a. Magnetic Variation.
 - b. Data link reference point.
 - c. Data link address.
 - d. Track # block.
 - e. Unit position.
3. Enter required voice communication entries, based on mission.
4. Enter required radar data base entries, based on mission.
5. Enter required Data link entries, based mission. .
6. Record all data base entries above.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual

CONFIG-2301 1.0 * B L

Goal. Verify voice communications are operational.

Requirement. Given a scenario, operational documents, and a configured TAOM or MTAOM with CS:

1. Verify radio frequency configuration.
2. Verify Crypto.
3. Verify antenna type and locations.
4. Verify radio assignments to nets.
5. Verify restoration priorities.
6. Conduct radio check with external agency.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual
2. TM 10200A-OI/1 ADCP Maintenance Manual
3. TM 10389-12 CTT Operators & Unit Maintenance Manual
4. TM 10389-30 CTT Direct Support Maintenance Manual

CONFIG-2302 8.0 * B, R L

Goal. Restore system software for MTAOM, CTN, and JRE.

Requirement. With the aid of reference, perform the following:

1. Restore operating system from clone or image.
2. Update to current fielded software version as required.
3. Configure operating system as required.
4. Document changes to system configuration.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI

7. TM 11406A-OR/2

CONFIG-2303 4.0 * B, R L

Goal. Perform data recovery management on a TDS system.

Requirement. With the aid of reference, perform the following:

1. Plan data backup.
2. Create data backup.
3. Restore data from backup.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis).
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2304 4.0 * B, R L

Goal. Perform logfile management on a TDS system.

Requirement. With the aid of reference, perform the following:

1. Monitor logfiles.
2. Save logfiles.
3. Empty logfiles.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2305 4.0 * B, R L

Goal. Perform account management on a TDS system.

Requirement. With the aid of reference, perform the following:

1. Manage user accounts.
2. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2306 4.0 * B, R L

Goal. Apply Software release updates for TDS system.

Requirement. With the aid of reference, perform the following:

1. Schedule software release installation.
2. Install software release updates.
3. Test system software and applications.
4. Backup data as required.
5. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2307 6.0 * B, R L

Goal. Update firmware within TDS systems.

Requirement. With the aid of reference, perform the following:

1. Verify version of firmware on TDS equipment.
2. Update to current fielded firmware version as required.
3. Document changes as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
7. TM-08611B-OI
8. TM 11406A-OR/2.

CONFIG-2308 8.0 * B, R L

Goal. Configure TDS network equipment.

Requirement. With the aid of reference, perform the following:

1. Energize components.
2. Configure network equipment.
3. Conduct operational status check.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals

CONFIG-2309 8.0 * B, R L

Goal. Configure TDS circuit cards.

Requirement. With the aid of reference, perform the following:

1. Energize components.
2. Configure circuit card.
3. Conduct operational status check.
4. Document as required.

11. State who on the interface may originate a CDO.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01_, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6016_

DLC-2321 1.0 * B L

Goal. Know the types and purpose of data filters.

Requirement. Given the reference:

1. State the purpose of the data filters.
2. State the personnel responsible for data filters and their associated duties.
3. Describe the characteristics of prearranged and non-prearranged data filters.
4. State the function of filter numbers and identify codes associated with the following types of unit filter types:
 - a. Link 11 Transmit filter.
 - b. Link 11B Transmit filter.
 - c. Link 16 Transmit filter.
 - d. Data forwarding filter for data forwarded from Link 11 to Link 11B.
 - e. Data forwarding filter for data forwarded from Link 11B to Link 11.
 - f. Transmit filter for all data links in a multi-link interface.
 - g. Data forwarding filter for data forwarded from Link 16 to Link 11.
 - h. Data forwarding filter for data forwarded from Link 16 to Link 11B.
 - i. Data forwarding filter for data forwarded from Link 16 to Link 11/11B.
 - j. Data forwarding filter for data forwarded from Link 11 or Link 11B to Link 16.
5. List essential information that should be included when establishing a data filter.
6. State the purpose of the following data filter types:
 - a. Geographic filters.
 - b. Fixed or slaved filters.
 - c. Identification filters.
 - d. Environment filters.

- e. Reference point filters.
 - f. EW filters.
 - g. Special Processing Indicator (SPI) filters.
7. State operational factors that may dictate the use of data filters.
8. State the doctrinal restrictions on the establishment of data filters.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual

DLC-2322 1.0 * B _____ L

Goal. State the characteristics of and terms associated with Link 11.

Requirement. Given the reference:

1. State the general description of Link 11.
2. Define the following Link 11 station modes of operation:
 - a. Net Control Station (NCS).
 - b. Picket.
3. Define the following Link 11 net modes of operation:
 - a. Roll Call.
 - b. Broadcast (Long).
 - c. Short Broadcast.
 - d. Net Sync.
 - e. Net Test.
4. State the purpose of the following Link 11 waveforms:
 - a. Conventional Link 11 Waveform (CLEW).
 - b. Single Tone Link 11 Waveform (SLEW).
5. Describe the characteristics of the following Link 11 data encryption modes:
 - a. A1.
 - b. A2.
 - c. B.
 - d. Plain Text.
6. Define Data Link Reference Point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.
7. Describe Link 11 Gridlock.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-2323 1.0 * B _____ L

Goal. State the characteristics of and terms associated with Link 11B.

Requirement. Given the reference:

1. State the general description of Link 11B.
2. State the communications mediums that Link 11B can be transmitted over.
3. State the most common encryption devices used for Link 11B.
4. State the purpose of "strapping," with respect to Link 11B encryption devices.
5. Define the following Link 11B data transmission modes:
 - a. Limited Transmission of Data (LTD) mode.
 - b. Full Transmission of Data (FTD) mode.
6. Define Data Link Reference point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-2324 1.0 * B _____ L

Goal. State the characteristics of Link 16.

Requirement. Given references:

1. State the general description of Link 16.
2. Define the list of following terms associated with Link 16:
 - a. Active Synchronization.
 - b. Backlink Command and Control JTIDS/MIDS Unit (C2 JU).
 - c. Conditional Radio Silence Mode.
 - d. Contention Access Mode.
 - e. Dedicated Access Mode.
 - f. Donor.
 - g. Dynamic Network Management.
 - h. Extension Word.
 - i. Geodetic Position Quality.
 - j. Header Message.
 - k. Host System.
 - l. Initial Entry.
 - m. Initial Entry JTIDS/MIDS Unit (IEJU).
 - n. Machine Receipt.
 - o. Multifunctional Information Distribution System (MIDS).
 - p. Minimum Implementation.
 - q. Mode 1, 2, and 4 Communications.
 - r. Net Number.
 - s. Network Participation Group.
 - t. Network Time Reference.
 - u. Non-Command and Control JTIDS/MIDS Unit (NonC2 JU).
 - v. Pool.
 - w. Passive Synchronization.
 - x. Recurrence Rate.
 - y. Reed-Solomon Code.
 - z. Relative Position Quality.
 - aa. Relay Block.
 - bb. Round-Trip Timing (RTT).
 - cc. Stacked Net.
 - dd. Synchronization.
 - ee. Time (System & Terminal).
 - ff. Time Quality (QT).
 - gg. Time Slot.
 - hh. Time Slot Reallocation Access Mode.
3. Describe the information contained in the Scope section of MIL-STD-3011's following appendices:
 - a. Appendix A.
 - b. Appendix B.
 - c. Appendix C.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6016E, Department of Defense Interface Standard, Tactical Data Link (TDL) 16
3. MIL-STD-3011A, Department of Defense Interface Standard for the Joint Range Extension Application Protocol

DLC-2325 1.0 * B _____ L

Goal. State the characteristics of Joint Range Extension Application Protocol (JREAP).

Requirement. Given references:

1. Define Joint Range Extension Application Protocol (JREAP).
2. List the capabilities of JREAP.
3. Define the following terms associated with JREAP:
 - a. Common Time Reference.
 - b. Demand Access Multiple Access (DAMA).
 - c. Joint Range Extension (JRE).
 - d. JRE Network Controller.
 - e. JRE Source Track Number.
 - f. Link 16 Zone.
 - g. Multicast.
 - h. Packet.
 - i. Port.
 - j. Secondary Track Number.
 - k. Token Passing.
 - l. Transmission Sequence List.
 - m. Unicast.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-3011A, Department of Defense Interface Standard for the Joint Range Extension Application Protocol

DLC-2326 2.0 730 B, R, M _____ L

Goal. Operate Link 11.

Requirement. Given the references, operational documents, and a C2

system:

1. Extract required information from the OPTASKLINK.
2. Input the required database entries.
3. Enter and activate filters.
4. Ensure equipment is correctly configured.
5. Ensure cryptographic equipment is keyed.
6. Perform net entry procedures.
7. Perform net exit procedures.
8. Operate in the following modes:
 - a. Radio Silent.
 - b. Net Control Station (NCS).
 - c. Picket.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website
<https://standmgt.disa.mil/restricted/usmtf/>

DLC-2327 2.0 730 B, R, M L

Goal. Operate Link 11B.

Requirement. Given the references, operational documents, and a C2 system:

1. extract required information from the OPTASK LINK.
2. Input database entries per the OPTASK LINK.
3. Enter and activate data filters per the OPTASK LINK.
4. Ensure equipment is correctly configured.
5. Ensure cryptographic equipment is keyed.
6. Perform proper net entry procedures.
7. Perform net exit procedures.
8. Operate in the following modes:
 - a. Limited Transmission of Data (LTD).
 - b. Full Transmission of Data (FTD).

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

2. Understanding Link 16 Handbook, A Guidebook for US Navy and US Marine Corps Operators
3. MIL STD 6016E, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

DLC-2329 2.0 730 B, R, M _____ L

Goal. Configure the Joint Range Extension-Gateway (JRE-GW).

Requirement. Given a C2 system:

1. Configure own unit data.
2. Configure JRE-GW client software, to include:
 - a. Clients.
 - b. Roles.
 - c. Client Applications Settings.
 - d. JRE Client Map functions.
3. Configure the JRE Overlay Editor tool.
4. Configure the following JRE Client Tool menu items:
 - a. Operator Action.
 - b. eDERG.
 - c. ATO.
 - d. ACO.
5. Configure the JRE-GW to host a Multifunctional Information Distribution System (MIDS) terminal.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. JRE Version 5.3.x Software User Manual

DLC-2330 2.0 730 B, R, M _____ L

Goal. Operate JREAP A.

Requirement. Given a JRE-GW, SATCOM radio assets, Satellite Access Authorization (SAA), OPTASKLINK, and assistance from maintenance and communications sections:

1. Extract satellite communications information from the SAA.
2. Configure the radio for JREAP A operations.
3. Load crypto into the radio.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-2332 2.0 730 B, R, M L

Goal. Operate JREAP C.

Requirement. Given a JRE-GW, SIPRNET access, and assistance from maintenance and communications sections:

1. Ensure the JRE-GW is configured with the correct IP address.
2. Ensure the JRE-GW is connected to the network.
3. Build a JREAP C IP links in the JRE-GW.
 - a. TCP.
 - b. UDP.
 - c. MTC.
 - d. MTDS.
4. Enter and activate filters in the JRE-GW per the OPTASK LINK.
5. Enable and disable the correct link connections.
6. Activate and exchange information with JREAP-C (either TCP or UDP).

Performance Standard. Successfully exchange information/data.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

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Goal. Troubleshoot Link 11.

Requirement. Given a C2 system with an operational Link 11:

1. Determine if the internal data path being used for Link 11 is functional.
2. Determine if the TAOC is in the NCS's polling sequence.
3. Use transmit and receive quality to determine connectivity.
4. Select and monitor Link 11 messages.
5. Recognize and take appropriate action for an incorrect DLRP.
6. Recognize and take appropriate action for incorrect crypto.

